(Other instructions on reverse side)

## STATE OF HITAH

PARTMENT OF NATURAL RESOURCES	5. LEASE DESIGNATIO
VISION OF OIL, GAS, AND MINING	Fee Land

	DEPARTMENT	I <b>of</b> Natur	AL R	ESOURCES -			5. LEASE DESIGNATION AN	D SERIAL NO
	DIVISION OF						Fee Land	D 5201112 110.
A DDL IC A TION					IIIC B	A CIZ	6. IF INDIAN, ALLOTTER OF	TRIBE NAME
APPLICATION	Y FOR PERMIT	O DRILL, I	JEEPI	EN, OR P	LUG B	ACK_		
1a. TYPE OF WORK		To do Late	<del>"  </del>	A DII	UG BAC	יש רו	7. UNIT AGREEMENT NAM	<u> </u>
b. TYPE OF WELL	TATE OF THE PERSON OF THE PERS	DEP(N	-1 <i>L</i>	Al PL	UG BAC	л 🗀		
OTT C	As		17 sı	VVVV	MULTIPI ZONE	a,	8. FARM OR LEASE NAME	
WELXXX W  2. NAME OF OPERATOR	ELL OTHER			NE ZZZZZZ	ZUNE		Sherman	
DENNIGOTI E1	exetion C Dro	duation (	~omn	ans/		-	9. WELL NO.	
FNNZOIL Expl 3. ADDRESS OF OPERATOR	Oldcion & Pic	duction (	1000		TITE	10)	2-12B2	
200 Borr 200	Neola, Ut	-ah 84053			O TE	4	10. EMELD AND POOL, OR	WILDCAT
	eport location clearly and	in accordance wit	h inve			<b>')</b>	Bluebell Wasa	itch /o/
At surface	FSL & 1680' F	TET.		JUL 12	1989	THE PERSON NAMED IN	11. SEC., T., R., M., OR BLE	<u> </u>
At proposed prod. zon		. 1.313		002			AND SURVEY OR AREA	
Mt proposeu prou. Zon	SAME			DIVISIO	N OF		Sec. 12, T2S,	R2W.
14. DISTANCE IN MILES		EST TOWN OR POS	T OFFIC				12. COUNTY OR PARISH   1	
About 3.5 mi	les Northwest	of Roose	evel	t, Utah			Duchsene #1	1
15. DISTANCE FROM PROPO LOCATION TO NEAREST	SED*		16. NO	OF ACRES IN	LEASE		OF ACRES ASSIGNED HIS WELL	
PROPERTY OR LEASE L (Also to nearest drig	INE RT 04/	י (		640			640	
18. DISTANCE FROM PROP	OSED LOCATION*		19. PH	OPOSED DEPTH	41.11	20. ROTA	RY OR CABLE TOOLS	
OR APPLIED FOR, ON THE	osed location* rilling, completed, is lease, ft. 2,298	3 '		12,500	wasaan		Rotary	
21. ELEVATIONS (Show whe			<u>.</u>				22. APPROX. DATE WORK	WILL START*
5196.5'GL (UN	GRADED) & est	cimated @	519	6.5' gra	aded		7-14-89	
23. 5200		PROPOSED CASI	NG ANI	CEMENTING	PROGRAM	ı		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	00T	SETTING D	ЕРТН	· · · · · ·	QUANTITY OF CEMENT	· · · · · · · · · · · · · · · · · · ·
12 1/4!!	9 5/8"	40.0		3,000	,		2050 ft3	
8 3/4"	7"	23.26.29		12.500			2200 ft3	
<del></del>		,,		,				
			İ	l	J			
1. Enclosed	attachments:	a. Certi:	fied	Location	on Pla	ıt.		

- b. Drilling Plan.
- c. BOP Schematic.
- d. Map showing roadway to wellsite.
- e. Schematic showing...rig layout on wellsite. ...wellsite cross-sections.
- Temporary Water Permit No. t89-43-4 (water right 7278 & Application 2. 41875).

Temporary Water Permit No. t89-43-11 (water right 2987 & Application 42584)

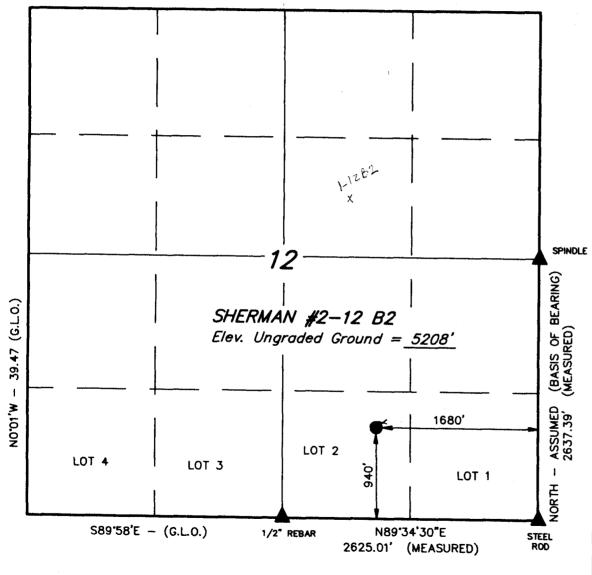
And AFE has been prepared and sent to partners for approval.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout

None: If proposition to drive or deepen accommend, 8210 per		
preventer program, if any.	tome (8	<del>101) 781-0620                                   </del>
Wilburn J. Juna		orilling Superintendent 7-11-89
SIGNED Wilburn L. Luna	TITLE	DATE
(This space for Federal or State office use)		APPROVED BY THE STATE
PERMIT NO. 43-013-31238		APPROVAL DATE OF UTAH DIVISION OF
		OIL, GAS, AND MINING
JT-19SHEYPOBY	TITLE	DATE 7-20-8 PATE
CONDITIONS OF APPROVAL, IF ANY:		Bytohn K. Baye
		WELL SPACING: Cous No. 139-42
		WILL OF MOING, ESCHALLE

\*See Instructions On Reverse Side

## T2S, R2W, U.S.B.&M



### = SECTION CORNERS LOCATED.

### PENNZOIL EXPLORATION & PRODUCTION CO.

WELL LOCATION, SHERMAN #2-12 B2, LOCATED AS SHOWN IN LOT 2, OF SECTION 12, T2S, R2W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

#### BASIS OF ELEVATION

SPOT ELEVATION TAKEN AT THE SOUTHEAST CORNER SECTION 12, T2S, R2W, U.S.B.&M. TAKEN FROM THE HANCOCK COVE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5184 FEET.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELLFI

> REGISTERED LAND SURVEYOR REGISTRATION NO. 5709 STATE OF UTAH

#### UINTAH ENGINEERING & LAND SURVEYING P. O. BOX 1758 - 85 SOUTH - 200 EAST VERNAL UTAH - 84078

SCALE 1" = 1000'		7-10-89
PARTY L.D.T R.L.K	T.D.H.	REFERENCES G.L.O. PLAT
WEATHER WARM		FILE PENNZOIL COMPANY

## PENNZOIL EXPLORATION AND PRODUCTION COMPANY

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353 - 4397

July 11, 1989

State of Utah, Dept of Natural Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 DECLIVED

JUL 12 1989

DIVISION OF OIL, GAS & MINING

Re: Application for Permit to Drill for:

Sherman No. 2-12B2 940' FSL & 1680' FEL SESE Section 12, T2S, R2W Duchesne County, Utah

#### Gentlemen:

The original and two copies of captioned APD with attachments are enclosed for your review and I trust your approval. Pennzoil Exploration & Production Company requests that this APD and all related information submitted on this well be held confidential for that period of time as permitted by regulations and law.

Should there be any question, please contact the undersigned.

Sincerely,

Penhzoil Exploration & Production Company

Wilburn L. Luna

Drilling Superintendent

Enclosure

UT-9

#### PAGE 1 of 4

#### DRILLING PLAN

OPERATOR:.....PENNZOIL COMPANY
WELL:......Sherman No. 2-12B2
WELL LOCATION:.940' FSL, 1680' FEL
SWSE Section 12, T2S, R2W
Duchesne County, Utah

1. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL FORMATIONS:

Duchesne River at surface (surface formation) Green River 4,881' Trona 6,873' MB 7,449' 8,731' TGR3 (H) K (CP70) 9,824' CP 200 11,551' TFL(Three Fingered Lime) @ 11,911' 12,500' Total Depth

2. ESTIMATED OIL & WATER DEPTHS:

Water:.....None anticipated Top Green River production...oil @ 5,100' Top Wasatch production....oil @ 11,019'

- PROPOSED CASING PROGRAM:
  - A. 16" conductor to be set and cemented to surface at a proposed depth of 60'.
  - B. / 9 5/8", 40.0#, N-80, LT&C to be set and cemented at a proposed depth of 3,000'.

Cement: Low density filler cement to surface. Tail-in with 250 sks Cl "G" or "H" tailored for depth and Temp.

- C. 7", 23/26/29#, S-95, LT&C/BUTT to be set and cemented at a proposed depth of 12,500' in the Wasatch formation. Cement: Low density filler cement to surface. Tail in with Cl "G" or "H" tailored to depth and temperature.
- D. If needed: 5", 18#, N-80, FL4S, integral joint liner, will be set and cemented. This liner is not planned nor anticipated.

Cement: Cl "G" or "H" tailored to depth & temperature.

#### DRILLING PLAN

4, OPERATOR'S PRESSURE CONTROL PLAN;

Figure No. 1 is a schematic of minimum BOP equipment.

The BOP equipment will be nippled up on the surface casing and pressure tested prior to drilling out:

- A. All rams and choke manifold will be tested to 5000 Psi
- A. Bag preventer will be tested to 50% of its rated working pressure or 2500Psi, whichever is the lesser.

Record all BOP tests on tour reports.

Retest BOP stack every 28 days.

Before drilling out - test casing strings to 0.22 psi per foot of depth or to 4025 Psi whichever is the greatest.

Fill-up line above the Bag Type Preventer.

Kill line located below the BOP rams.

#### Operational Checks:

Pipe rams will be closed and opened once each 24 hours.

Blind rams will be closed and opened each time the drill string is pulled from the wellbore.

Auxiliary well control and monitoring equipment:

- A. Upper and lower kelly cocks will be utilized.
- B. A full-opening drill pipe stabbing valve with proper drill pipe fittings will be utilized when the kelly is not in the string.
- C. PVT equipment will be used to monitor the mud system from the top of the Green River to Total Depth.

UT-10Sher

DRILLING PLAN PAGE 3 of 4

#### 5. PROPOSED DRILLING FLUID PROGRAM:

A. Conductor & surface hole: Drill this interval of the well bore with clear fresh water. Drill solids will be flocculated with lime to keep the water clean. Lime & bentonite will be used as needed.

Should a water flow be encountered, it will be killed contained with a fresh water mud and drilling will continue.

B. Productive Interval: Drill out with fresh water.
Use viscous sweeps to keep the well bore clean and a
flocculent to keep the make up water clean.

When well bore conditions dictate (tight hole, bridging & etc.) mud up will be with a low solids, non-dispersed drilling fluid.

Should well conditions dictate, the mud will be dispersed.

Final fluid properties: 13.5/14.0 #, 40/45 Vis, 10/15 WL and a YP of 10/20.

#### 6. WELL BORE EVALUATION:

- a. DRILL STEM TESTING:.....None planned.
- B. CORING:.....None planned.
- C. LOGGING: Surface Hole:.....None.

Productive interval:...DIL-GR
FDC-CNL
BHC-SONIC
Dip Meter

And maybe other logs.

D. COMPLETION: The objective formation is the Wasatch. Selected zones will be perforated and evaluated for stimulation work. Probably treatment, 100gals. 7 1/2% and/or 15% HCL per foot of perfs.

#### 7. PRESSURES & TEMPERATURES:

#### A. PRESSURE:

At Total Depth the mud weight will probably be 13.5# and the formation pressure 8,500 Psi±.

#### B. TEMPERATURE:

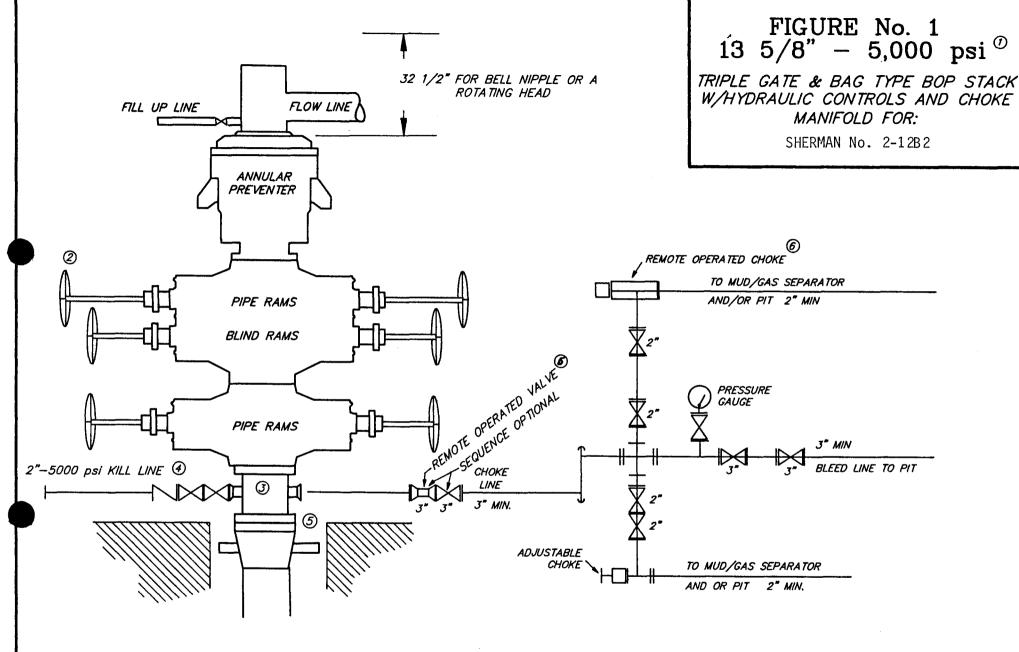
Temperatures are normal for this area and well depth, probably 225 degrees at 12,500'.

#### 8. ANTICIPATED STARTING DATE:

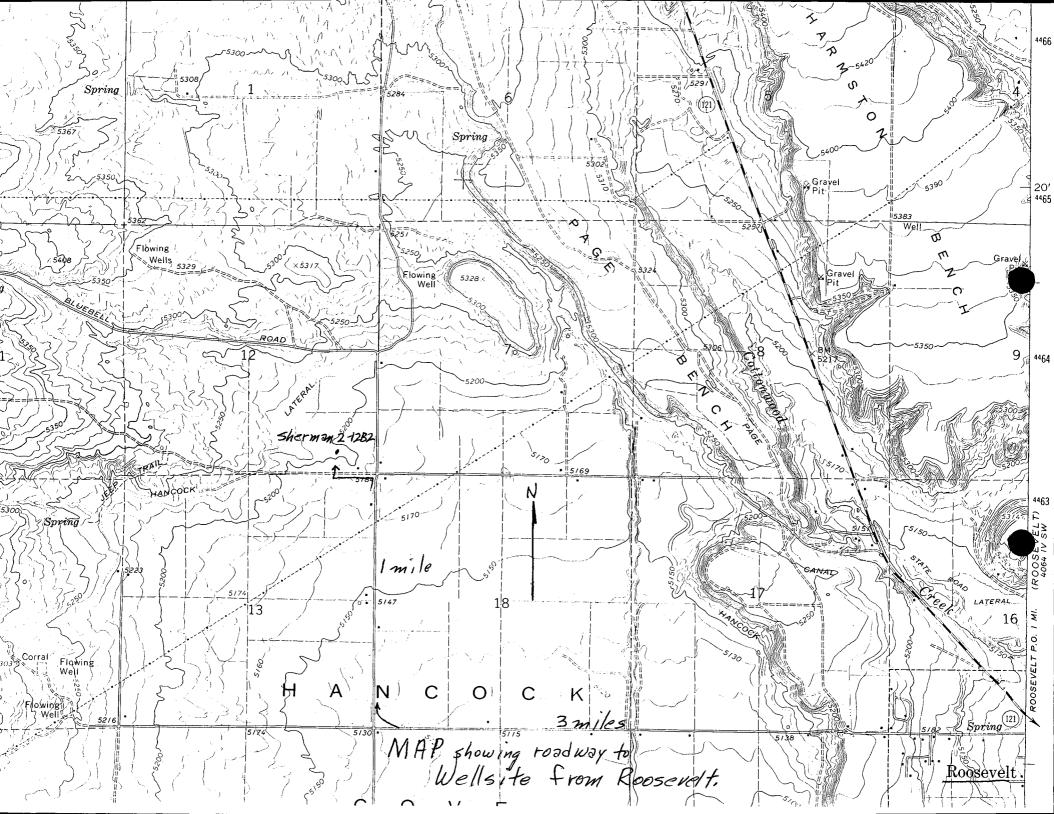
Construction of road and location will probably start with-in one (1) day of approval.

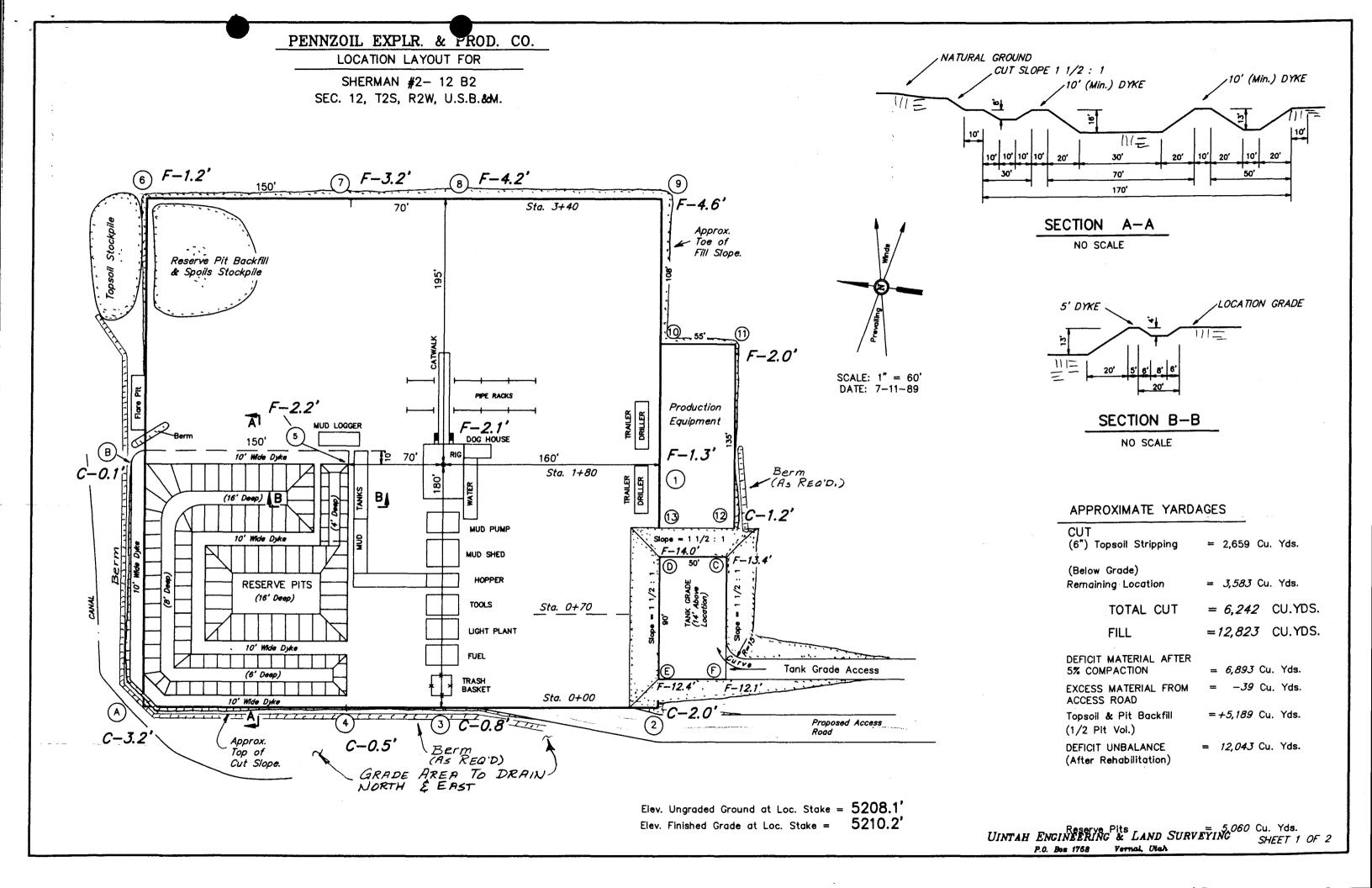
9. This well will be drilled per regulations as set forth by the:

State of Utah Natural Resource Oil, Gas & Mining Division



- 1 = ALL BOP CONNECTIONS SUBJECTED TO WELL PRESSURE SHALL BE FLANGED, WELDED OR CLAMPED.
- 2 = HAND WHEELS FOR EACH SET OF RAMS UNLESS EQUIPPED WITH AUTO LOCK.
- 3 = DRILLING SPOOL UNLESS BOTTOM BOP EQUIPPED WITH SIDE OUTLETS.
- (5) = TOP OF CASING HEAD FLANGE WILL BE AT GROUND LEVEL.
- 6 = REMOTE CONTROLS ON RIG FLOOR.

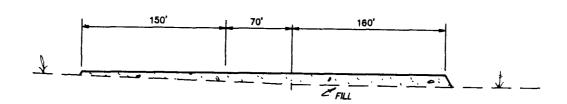




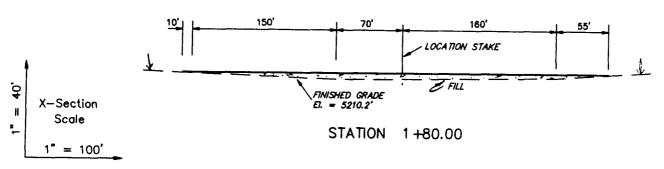
### ENNZOIL EXPLR. & PROD.

LOCATION LAYOUT FOR

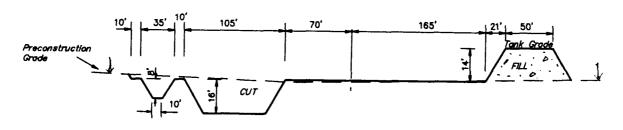
SHERMAN #2- 12 B2 SEC. 12, T2S, R2W, U.S.B.&M.



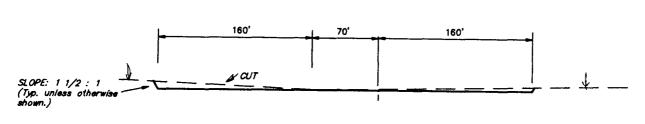
STATION 3+75.00



DATE: 7-11-89



STATION 0+70.00



STATION 0+00

#### DRILLING LOCATION ASSESSMENT

## State of Utah Division of Oil, Gas and Mining

OPERATOR: PENNZOIL WELL NAME: SHERMAN 2-12B2

SECTION: 12 TWP: 2S RNG: 2W LOC: 940 FSL 1680 FEL

QTR/QTR SW/SE COUNTY: DUCHESNE FIELD: BLUEBELL

SURFACE OWNER: A. LAMAR SHERMAN

SPACING: 660 F SECTION LINE 1320 F ANOTHER WELL

INSPECTOR: BRAD HILL DATE AND TIME: JUNE 30, 1989 8:00 AM

PARTICIPANTS: Wil Luna-Pennzoil, Bill Johnson-Forwest Drilling

<u>REGIONAL SETTING/TOPOGRAPHY:</u> Central Uintah Basin Province; Area is fairly flat but slopes gently to the north.

#### LAND USE:

CURRENT SURFACE USE: Agricultural

PROPOSED SURFACE DISTURBANCE: A square shaped pad will be constructed approximately 380'X 380' including an irregularly shaped reserve pit. (see APD diagram)

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Alfalfa field.

#### ENVIRONMENTAL PARAMETERS

#### SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Red-brown sandy-silt with some surface rock which may be related to near surface bedrock.

SURFACE FORMATION & CHARACTERISTICS: Quaternary eolian sediment overlying Duchesne River Formation.

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation is occurring at present. The area is very stable.

PALEONTOLOGICAL POTENTIAL: None observed.

#### SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Green River-5,100'; Wasatch-11,019'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated. — Wasatch
interval is over pressured.

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: Only onsite materials will be used.

SITE RECLAMATION: As per landowner instructions.

#### RESERVE PIT

CHARACTERISTICS: Irregularly shaped pit. (see APD diagram)

LINING: Pennzoil has agreed to line the pit with a synthetic liner.

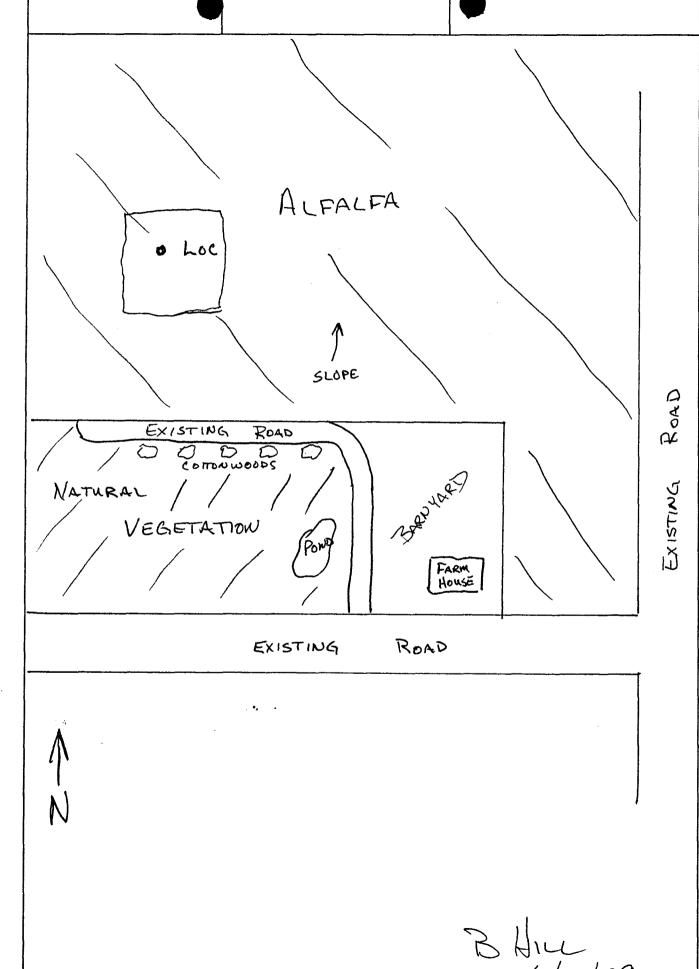
MUD PROGRAM: Fresh water will be used and mudded up as needed.

DRILLING WATER SUPPLY: Water to be hauled from a nearby water well.

STIPULATIONS FOR APD APPROVAL Reserve pit to be lined with a synthetic liner.

#### ATTACHMENTS

Site diagram
Photographs to be placed on file.



...\*

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## CONFIDENTIAL

OPERATOR Pennzoil Explor. & Prod. Co. (N2885) DATE	7-12-89
WELL NAME Shirman 2-12B2	
SEC SWSE 12 T 25 R 2W COUNTY [	Duchesne
43-013-31238 Fee API NUMBER TYPE OF L	EASE
CHECK OFF:  PLAT  Banket  BOND  (USM)  FIELD	NEAREST WELL
	POTASH OR OIL SHALE
Nearest well ak under Cause No. 139-42  Water Resmit OK - +-89-43-11  7-14-89 Presite Brad Hill / Received 7-14-89.	- Water permet will be sent ASAP - Billie-Water - 7-14-89 Rights
APPROVAL LETTER:	
SPACING: R615-2-3 N/A UNIT	R615-3-2
139-42 4-17-85 CAUSE NO. & DATE	R615-3-3
Casing need only be tested to  Casing need only be tested to  Kather than the 5000 pri indica  Part 4 of the submitted drilling plan.  Part of the submitted drilling plan.	at and 3000  psi  ted in  plan  as stated in
2. As agreed upon during the preds inspection, the reserve pit shall 0218T with a synthetic liner.	be lined  CONFIDENTIAL  PERIOD
	EYPIRED



3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

July 20, 1989

Pennzoil Exploration & Prod. Co. P. O. Box 290 Neola, Utah 84053

#### Gentlemen:

Dianne R. Nielson, Ph.D. Division Director

> Re: Sherman 2-12B2 - SW SE Sec. 12, T. 2S, R. 2W - Duchesne County, Utah 940' FSL, 1680' FEL

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 139-42 dated April 17, 1985, subject to the following stipulations:

- 1. Pennzoil, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.
- 2. Ram type BOPE, related equipment and casing need only be tested to 3000 psi. Bag preventer tests are acceptable as stated in part 4 of the submitted drilling plan.
- 3. As agreed upon during the predrilling site inspection, the reserve pit shall be lined with a synthetic liner.

In addition, the following actions are necessary to fully comply with this approval:

- 1. Spudding notification within 24 hours after drilling operations commence.
- Submittal of an Entity Action Form within five working days following 2. spudding and whenever a change in operations or interests necessitates an entity status change.
- 3. Submittal of the Report of Water Encountered During Drilling, Form 7.

Page 2
Pennzoil Exploration & Prod. Co.
Sherman 2-12B2
July 20, 1989

- 4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (80l) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
- 5. Compliance with the requirements of Rule R6l5-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
- 6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (80I) 538-6121.
- 7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31238.

Sincerely,

R. J. Firth

Associate Director, Oil & Gas

lcr

**Enclosures** 

cc: Bureau of Land Management

D. R. Nielson

J. L. Thompson

WE14/1-2

# BEFORE THE BOARD OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH

IN THE MATTER OF THE AMENDED PETITION OF ANR LIMITED INC.,

ET AL. FOR AN ORDER MODIFYING

PREVIOUS ORDERS WHICH
ESTABLISHED DRILLING AND

ESTABLISHED DRILLING AND

SPACING UNITS AND ANY OTHER ORDERS RELATING TO TEST WELLS

FOR THE ALTAMONT, BLUEBELL

AND CEDAR RIM-SINK DRAW

FIELDS, DUCHESNE AND UINTAH

COUNTIES, UTAH

FINDINGS OF FACT,

CONCLUSIONS OF LAW

AND ORDER

Docket No. 85-007

Cause No. 139-42

Pursuant to the Amended Notice of Hearing dated March 4, 1985 of the Board of Oil, Gas and Mining ("Board"), Department of Natural Resources of the State of Utah, said cause came on for hearing on Thursday, April 11, 1985 at 10:00 a.m. in the Board Room of the Division of Oil, Gas and Mining ("Division"), 355 West North Temple, 3 Triad Center, Suite 301, Salt Lake City, Utah.

The following members of the Board were present:

Gregory P. Williams, Chairman
James W. Carter
Charles R. Henderson
Richard B. Larson
E. Steele McIntyre
John M. Garr, having recused himself,
did not participate

Mark C. Moench, Assistant Attorney General, was present on behalf of the Board.

Members of the Staff of the Division present and participating in the hearing included:

Dr. Dianne R. Nielson, Director Ronald J. Firth, Associate Director John R. Baza, Petroleum Engineer

Barbara W. Roberts, Assistant Attorney General, was present on behalf of the Division.

Appearances were made as follows: Petitioners ANR Limited, et al., by Frank Douglass, Esq. and Ray H. Langenberg, Austin, Texas; Robert G. Pruitt, Jr., Esq., Salt Lake City, Utah; Frank J. Gustin, Esq., Salt Lake City, Utah; Louis A. Posekany, Jr., General Counsel, and George W. Hellstrom, Esq., ANR Production Company; Phillip K. Chattin, General Counsel, Utex Oil Company; Hugh C. Garner, Esq., for Coastal Oil & Gas Corporation; Phillip William Lear, Esc., for Phillips Petroleum Company; Jeffrey R. Young, Esq., for Bow Valley Petroleum, Inc.; B. J. Lewis, Esq., Vice President, and Robert W. Adkins, Esq., Linmar Energy Corporation; Robert Buettner, Esq., Koch Exploration Company; Lane Jamison, Esq., Sonat Exploration Company; Victor Brown and Robert Brown, Utah Royalty Association; John Harja, Esq., Gulf Oil Corporation; Martin Seneca, General Counsel, Ute Indian Tribe; Assad M. Raffoul, Petroleum Engineer, Bureau of Land Management; John Chasel, on his own behalf; George Morris, Esq., Ute Distribution Corporation; Dr. Gilbert Miller, Conservation Superintendent, Amarada Hess Corporation; and L. A. Pike, Roosevelt, Utah, landowner.

Now therefore, the Board having considered the testimony of the witnesses, John C. Osmond, Petroleum Geologist; Clarke Gillespie, Petroleum Reservoir Engineer; and R. Thayne Robson, Economist, for Petitioners and B. J. Lewis, Vice President, and John W. Clark, Petroleum Engineer, for Linmar Energy Corporation, and the exhibits received at said hearing and being fully advised in the premises, now makes and enters the following:

#### FINDINGS OF FACT

- l. Due and regular notice of the time, place and purpose of the hearing was given to all interested parties as required by law and the rules and regulations of the Board.
- 2. The Board has jurisdiction over the matters covered by said notice and over all parties interested therein and has jurisdiction to make and promulgate any order hereinafter set forth.
- 3. The Board has heretofore entered 640 acre drilling and spacing orders for the Lower Green River/Wasatch Formation in Causes No. 139-3, 139-4, 139-5, 139-8, and 139-17 (Altamont Field), Causes No. 131-11, 131-14, 131-24, 131-27, 131-32, 131-33, 131-34, 131-45 and 131-55, (Bluebell Field), and Causes No. 140-6 and 140-7 (Cedar Rim-Sink Draw Field) as to the following described lands:

UINTAH SPECIAL MERIDIAN

Township 1 North, Range 1 West Sections: 19-36 Township 1 North, Range 2 West Sections: 19-36

Township 1 North, Range 3 West Sections 23-26, 35 and 36

Township 1 South, Range 1 East Sections: All (except Roosevelt Unit)

Township 1 South, Range 2 East Sections: 4-8,18-19, 30-31

Township 1 South, Range 1 West Sections: All (except Roosevelt Unit)

Township | South, Range 2 through 4 West ? Sections: All

Township 1 South, Range 5 West Sections: 10-17, 20-36

Township 1 South, Range 6 West Sections: 25-26, 35-36

Township 2 South, Range 1 through 2 East Sections: All

Township 2 South, Range 1 through 6 West Sections: All

Township 2 South, Range 7 West Sections: 19, 30-36

Township 2 South, Range 8 West Sections: 23-26, 31-36

Township 3 South, Range 3 West Sections: 5-8, 17-20, 29-32

Township 3 South, Range 4 through 8 West Sections: All

Township 4 South, Range 3 West Sections: 5 and 6

Township 4 South, Range 4 West Sections: 1-6

Township 4 South, Range 5 West Sections: 1-6

Township 4 South, Range 6 West Sections: 1-18

SALT LAKE MERIDIAN

Township 5 South. Range 19 East Sections: 20-23, 26-29, 32-35

Township 6 South, Range 19 East Sections: 3-5, 9, 10, 15, 16, 22, 27 and 34

- 4. In Cause No. 140-12, the Board authorized the drilling of test or second wells that may only be produced alternatively with the initial well on the same drilling unit.
- 5. The Lower Green River/Wasatch Formation underlying the subject fields constitutes a pool as that term is defined in Utah Code Ann. §40-6-2(9) (1953, as amended), and is a highly complex series of isolated and discontinuous beds of productive rock that are randomly distributed vertically over a several thousand feet thick interval. Normally, the productive beds are separate and distinct and not in communication with each other.
- 6. Many of the productive beds are not correlatable from well to well and will not afford communication between wells as close as 1000 feet. Of the productive beds that correlate, various geological factors prevent a significant number form communicating between wells within the same section.
- 7. Geologic and engineering information from initial unit wells and test wells show that a single well will not effectively drain the recoverable oil and gas underlying any given 640 acre spacing unit because the productive beds are too

small or have other limiting characteristics precluding effective and efficient drainage of the recoverable reserves underlying the unit.

- 8. Data from production logs and field performance show that test wells drilled under the Order in Cause No. 140-12 after 1978 have caused the recovery of substantial amounts of oil from separate and distinct productive beds and from previously undepleted productive beds, and that the drilling of additional wells on existing units will increase the ultimate recovery of oil from the subject fields.
- 9. The prohibition of simultaneous production from the initial well and test well on the same unit has caused the shutting in of wells with the potential to produce substantial amounts of additional reserves.
- 10. Each additional well drilled under this order will tap producing formations that are separate and distinct from and not in communication with any other producing formation and is not an unnecessary well.
- ll. In some areas of the subject fields, geologic, engineering, and economic factors justify drilling additional wells on existing units. In other areas, geologic, engineering and economic factors may not justify drilling additional wells on existing units.

#### CONCLUSIONS OF LAW

1. Due and regular notice of the time, place and

purpose of the hearing was given to all interested parties as required by law and the rules and regulations of the Board.

- 2. The Board has jurisdiction over the matters covered by said notice and over all parties interested therein and has jurisdiction to make and promulgate any order hereinafter set forth.
- 3. The Board is authorized to modify its previous orders to permit additional wells to be drilled within established units under Utah Code Ann. §40-6-6(4) (1953, as amended).
- 4. An order permitting (a) the drilling of additional wells on existing units as provided herein and (b) the simultaneous production of initial wells and additional wells will prevent the waste of hydrocarbons, prevent the drilling of unnecessary wells, and protect correlative rights.

#### ORDER

IT IS THEREFORE ORDERED:

To prevent waste of oil, gas and associated liquid hydrocarbons, to avoid the drilling of unnecessary wells, to protect correlative rights and to maintain, to the maximum extent practicable, drilling units of uniform size and shape for the promotion of more orderly development of the lands described in Finding of Fact No. 3 above, the following order is hereby promulgated to govern operations in said area effective as of April 12, 1985:

- A. Upon the effective date any and all orders of the Board heretofore promulgated which are inconsistent with the orders herein set forth shall be and are hereby vacated to the extent inconsistent herewith.
- B. Additional wells may be drilled, completed, and produced on established drilling units comprising government surveyed sections of approximately 640 acres (or other designated drilling units so long as such unit is at least 400 acres in size) to a density of no greater than two producing wells on each unit comprising a section (or other designated unit).
- C. Additional wells may be drilled at the option of the operator of the unit, based upon geologic and engineering data for that unit which will justify the drilling of an additional well in order to recover additional oil, provided the additional well appears to be economically feasible.
- D. Economically feasible means that a prudent operator would have a reasonable opportunity to recover the costs of drilling, completing, producing and operating the well, plus a reasonable profit.
- E. It is not the intent of this order, in permitting additional wells to be drilled on established drilling units, to change or amend the existing contractual rights or relationships, express or implied, of any parties who share in production or the proceeds therefrom in the spaced area.
- F. Any additional well must be located at least 1,320 feet from the existing well on the unit and not closer than 660

feet from the exterior boundary of the unit. No two wells may be drilled in any drilling unit within the same governmental quarter section or equivalent lot.

- G. If an operator elects to initially complete a well solely within producing formations that are separate and distinct from and not in communication with any other producing formation, the operator will use reasonable precautions in order that such well is not completed in any producing formation that may be effectively drained by any other well.
- H. Second or test wells drilled under previous orders as well as additional wells to be drilled under this order may be produced simultaneously with initial wells.
- Jurisdiction of all matters covered by this order and of all parties affected thereby and particularly that the Board retains and reserves exclusive and continuing jurisdiction to make further orders as appropriate and authorized by statute and applicable regulations.

ENTERED this 17 day of April, 1985.

STATE OF UTAH BOARD OF OIL, GAS AND MINING

BOARD OF OIL, GAS AND MINING

CREGORY P. WILLIAMS, Chairman

APPROVED AS TO FORM:

MARK C. MOENCH

Assistant Attorney General

### DIVISION OF OIL, GAS AND MINING

### SPUDDING INFORMATION

API NO. 43-013-31238

NAME OF COMPANY:	PENNZOIL EXPLORAT	ION & PRODU	CTION CO.	
	SHERMAN 2-12B2			
SECTION SWSE 12	TOWNSHIP2S		_ COUNTY_DU	CHESNE
RIG # 1				
SPUDDED: DATE_	7/22/89			
TIME_ How	12:00 noon RAT HOLE		CON	FIDENTIAL
DRILLING WILL CO	MMENCE approx. 8/2/89	- Four West	#6	THIN
REPORTED BY	DANNY LAYMAN			
TELEPHONE #	1-353-4397			
DAIE7/25/	89	SIGNED_	TAS	TAKEN BY: AWS

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

DIVISION OF OIL, GAS, AND MINING	5. LEASE DESIGNATION AND SERIAL NO. FEE LAND
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTES OR TRIBE NAME,
OIL WELL OTHER	7. UNIT AGREEMENT NAME
Pennzoil Exploration & Production Company	8. FARM OR LEASE NAME Sherman
8. ADDRESS OF OFFRATOR PO. Box 290 Neola, Utah 84053	9. WELL NO. 2-12 <u>K</u> 2
4. LOCATION OF WELL (Report location clearly and in accordance with a state of the	10. FIELD AND POOL, OR WILDCAT Bluebell / Wasatch
940' FSL & 1680' FEL JUL 25	1989 SWSE SURVEY OF ALEX. AND
Permit pending  16. PLEVATIONS (Show whether DF, RT. ORDIVISION  51.96.5' GL (ungraded) races	Section 12, T2S, R2W  OF  Duchesne  Section 12, T2S, R2W  Utah
16. Check Appropriate Box To Indicate Nature of Notice	INING  Report, or Other Data
NOTICE OF INTENTION TO:	SUBSEQUENT EMPORT OF:
FRACTURE TREAT  SHOOT OR ACIDIZE  PULL OR ALTER CASING  WATER SHU  FRACTURE T  SHOOT OR ACIDIZE  ABANDON*  SHOOTING OF	
GEPAIR WELL CHANGE PLANS XX (Other)	: Report results of multiple completion on Well
Proposed change in surface casing:  From: 9 5/8", 40#, N-80, LT&C  To: 10 3/4", 51#, N-80, LT&C 1,500' on top. 10 3/4", 45.5#, K-55, ST&C. 1,500' on bottom.  This change is necessitated - due to the difficulty in 1 to 3% paraffin oil ) running 7" casing through 9 5/8"	(shearing drilling fluid containing surface casing.
18. I hereby certify that the foregoing is true and correct  SIGNED Wilburn   June   Title Superintene	PROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING 7-28-89 Ment July 24, 1989
Wilburn Luna (This space for Federal or State office use)	DATE ONLY TOO
APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:	DATE

## PENNZOIL EXPLORATION AND PRODUCTION COMPANY

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353 - 4397

## CONFIDENTIAL

July 24, 1989

State of Utah, Dept of Natural Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, UT 84180-1203

RECEIVED
JUL 25 1989

Re: Sherman No. 2-12A2 43-0/3-3/038 SWSE Section 12, T2S, R2W Duchesne County, Utah Permit Waiting on Approval DIVISION OF OIL, GAS & MINING

#### Gentlemen:

Enclosed please find the original and three (3) copies of your DOGM Form 5 "SUNDRY NOTICES & REPORTS ON WELLS" for change in plans on captioned well.

Should there be any question, please contact the undersigned at (801) 353-4397.

Sincerely,

Pennzoil Exploration & Production Company

Wilburn L. Luna

Drilling Superintendent

Enclosure

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING

	VISION OF OIL, GAS, AND M		5. LEASE DESIGNATION AND SERIAL NO. FEE LAND
SUNDRY N (Do not use this form for Use "AP	IOTICES AND REPORTS proposals to drill or to deepen or plug pulication for permit—" for such p	ON WELLS back to a different reservoir.	6. IF INDIAN, ALLOTTER OR TRIBE NAME
OIL XXX GAS OTH		,	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR			8. FARM OR LEARE NAME
8. ADDRESS OF OPERATOR	tion & Production Compa	TEPEROTE !	Sherman
PO. Box 290	Neola, Utah 840	BOSIVE	2-12A2
At surface	ion clearly and in accordance with and	JUL 25 1989	Bluebell/ Wasatch
940' FSL & 1680' FI	:L	DIVISION OF	SWSE SURVEY OR LERA
14. API NUMBER	15. FLEVATIONS (Show whether DE	OIL, GAS & MINING	Section 12, T2S, R2W
Permit pending	5196.5' GL ( ungra		Duchesne Utah
16. Check	Appropriate Box To Indicate N	lature of Natice, Report, o	or Other Data
	OT NOITHET		SAQUENT REPORT OF:
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS	WATER SHUT-OFF FRACTURE TREATMENT SHOUTING OR ACIDIZING	RETAIRING WELL ALTERING CABING ABANDONMENT*
(Other)	AAA	(Other)	ults of multiple completion on Well ompletion Report and Log form.)
This change is necessi	I-80, LT&C 1,500' K-55, ST& C. 1,500'	on bottom.  ficulty in (sheari	ng drilling fluid containing e casing.
		OF I OIL,	OVED BY THE STATE UTAH DIVISION OF GAS, AND MINING 7-28-87
8. I hereby certify that the foregoing SIGNED Wilburn L Luna (This space for Federal or State of	Dril Dril Dril Dril	ling Superintendent	July 24, 1989
CONDITIONS OF APPROVAL, IF	ANY:		DATE

# STATE OF UTAH DIVISION OF OIL, GAS AND MINING DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY:	Pennzoil (	xploration		<u></u>
WELLNAME:	Sherman	2-1282	API#	43-013-31238
SECTION: 17	<u>ZTWP:</u>	25	RANGE:	SM
INSPECTOR:REPRESENTATIV	GARY GARNE E: Danny La	ir ma.u	TIME: 4	7in Rowa
OPERATIONS:	Drilling.			
SPUD DATE:			DEPTH:_	Z884
DRILLING AND	COMPLETIONS:			
APD		WELL SIG	N	SANITATION
B0PE		BLOOIE L	INE	H2S
VENT	ED/FLARED	RESERVE	PIT	FLARE PIT
BURN	PIT	HOUSEKEE	PING	
PLUGGING AND	ABANDONMENTS:			
PI	LUG TYPE			INTERVAL
PLUGS TESTED:	НО	W		woc
MARKER:	SURFACE		PLATE	
RECLAMATION:				
CONT	our	RIP	REHA	3
LECEND. (V) V	בכ (ס) ספחפוב	M (U)_UNKNO	WN (BLANK	)-NOT APPICABLE
	ES (P)-PRUBLE	M (0)-ONKNO	WIN (BLANK	)-NO! AI! IOADEE
REMARKS:				·
Drilling al	head - sette	ing surface	- pipe	<u> </u>
APPROVED BY		HOW		DATE

# STATE OF UTAH DIVISION OF OIL, GAS AND MINING CEMENTING OPERATIONS

COMPANY NAME: Pennzoil Exploration.
WELL NAME: Sherman Z-12BZ
QTR/QTR SECTION 12 TOWNSHIP 25 RANGE ZW
CEMENTING COMPANY: Western WELL SIGN 1es
INSPECTOR: GARY GARNER DATE: 8/16/89
CEMENTING OPERATIONS:
PLUGBACK: SQUEEZE: CASING: P-A ZONE:
SURFACE CASING: INTERMEDIATE PROD CASING:
PERFORATIONS SQUEEZE PRESSURE
CASING INFORMATION:
SIZE 103/4 GRADE: 45.5 # KSS HOLE SIZE: DEPTH: 3000'
SLURRY INFORMATION:
1. CLASS: LEAD: 12.8 TAIL: 40 bbls mud Flush
2. SLURRY WEIGHT: 1185 3ks 65/35 pozlite, 4% ge LEAD: 16.2 TAIL: Y4* cello-seal. 18 4 auick seal.
735 Sks Class G, 2% Cacke  3. WATER (GAL/SK)  LEAD:  TAIL:  735 Sks Class G, 2% Cacke  735 Sks Class G, 2% Cacke
4. COMPRESSIVE STRENGTH PSI @ HR
PIPE CENTRALIZED CEMENTING STAGES 1
LOST RETURNS BARRELS LOST
TOP OF CEMENT Surface PERF INTERVAL
CEMENT TO SURFACE?
ADDITIONAL COMMENTS: bumped plug w/ 281 blos Heo
circulated 2916 sks cement

0451T

# STATE OF UTAH DIVISION OF OIL, GAS AND MINING BOPE TEST INSPECTION FORM

COMPANY: Pennzoil REPRESENTATIVE: Danny Laman.
WELL NAME: Sherman 2-12B2 API# 43-013-31238
QTR/QTR SECTION 12 WELLSIGN ~ TWP 25 RANGE 2W
INSPECTOR: Gary Garner DATE: 8/17/89.
DRILLING CONTRACTOR Forwest RIG # 6
RIG OPERATIONS: BOPE Test.
DEPTH LAST CASING @ 3000'
TEST BY Double Jack WATER MUD
PRESSURE RATING OF STACK H2S RATED
TEST PRESSURES 5000 / IS Nim KELLYCOCK: UPPER 5000 LOWER 5000
INSIDE BOP 5000 FULL OPENING VALVE ON FLOOR yes
WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR yes.
STACK - LISTED AS ARRANGED - TOP TO BOTTOM:
1. Hydril
2. Blind Rams
3. <u>Pipe Rams</u>
4. Mud x
5. <u>Pipe Rams</u>
6. Drilling Spool
ADDITIONAL COMMENTS: Mud cross over between pipe rams.
PEROPTED BY: PHONE:
REPORTED BY: Danny Laman. PHONE:
DATE: 8/17/89 SIGNED: Jay Jane
(IF TESTED BY INDEPENDENT COMPANY, ATTACH COPY OF TEST)
0451T

STATE OF UTAH DIVISION OF OIL. GAS AND MINING

ENTITY ACTION FORM - DOGM FORM &



ADDRESS \_\_

DINGOLOM OF

CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER		WELL NAME		WELL LOCATION					EFFECTIVE
						QQ	QQ SC TP		RG	COUNTY	DATE	DATE
A	99999	11009	4301331238	Sherman	2-12BZ	SWSE		25	aw	Duchesne	7/22/89	7/22/8
COMMENTS	ree-Le	Bluebell	Proposed Zon (This well a	ne-wstc sill produce	into its own to	nk battery	1, ass	ign n	ew en	tity 11009 o	n 9-13-89.	)
COMMENTS					п							
OMMENTS:												
. CONTENTS:					·							
			·					,				
OMMENTS:												(
OMMENTS												
OMMENTS:	•				-							

ESTABLISH NEW ENTITY FOR NEW WELL

B - ADD NEW WELL TO EXISTING ENTITY

C - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO ANOTHER EXISTING ENTITY

D - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO A NEW ENTITY

E - OTHER (EXPLAIN IN COMMENTS SECTION)

(SEE INSTRUCTIONS ON BACK OF FORM)

TITLE

DATE

# STATE OF UTAH DIVISION OF OIL, GAS AND MINING DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY: Reunzoil	<u> </u>		
WELLNAME: Sherman	2-12 BZ	_API#	
SECTION: 17 TWP:	25	RANGE: Zw	)
INSPECTOR: GARY GARNET REPRESENTATIVE: Danner	Lamam	TIME: <u>qam</u> _PUSHER: Tu	DATE: 9/21/89
REPRESENTATIVE: Danny OPERATIONS: Drilling			
SPUD DATE:	9	DEPTH: \7	
DRILLING AND COMPLETIONS:			
APD	WELL SIGN	· 	SANITATION
BOPE	BLOOIE LI	NE	H2S
VENTED/FLARED	_RESERVE PIT		FLARE PIT
BURN PIT	HOUSEKEEP	ING	
PLUGGING AND ABANDONMENTS:			
PLUG TYPE			INTERVAL
	· · · · · · · · · · · · · · · · · · ·	-	
PLUGS TESTED: HOW		W	oc
MARKER: SURFACE		PLATE	
RECLAMATION:			
CONTOUR	RIP	REHAB	·
LEGEND: (Y)-YES (P)-PROBLEM REMARKS:	(U)-UNKNOW	N (BLANK)-NOT	APPICABLE
APPROVED BY	HOW	a	ATE

### PENNZOIL EXPLORATION AND PRODUCTION COMPANY, Production

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353 - 4397

## CONFIDENTIAL

September 22, 1989

State of Utah, Dept. of Natural Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, UT. 84180-1203

Re: Report of Water Flow Sherman 2-12B2 SWSE Section 12, T2S, R2W Duchesne County, Utah API No. 43-013-31238

OIL AND OAG			
DRN	RAF		
JRB	J GLH L		
D7S	SLS		
2-TAS			
3) MICROFUN			
4- FILE			

Gentlemen:

Enclosed, please find the original and three (3) copies of your Form 7 "REPORT OF WATER ENCOUNTERED DURING DRILLING" for captioned well while drilling 13 3/4" surface hole.

Should there be any questions, please contact the undersigned at (801) 353-4397.

Sincerely,

Pennzoil Exploration & Production Company

Wilburn L. Luna

Drilling Superintendent

Enclosure

WLL/jm



## REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7

13196			W	A Table
	SEP	25	1989	

REPURT OF MATE	ER ENCOUP	TIERED DURING DRILLING - FORM	DIVISION OF OIL, GAS & ANNUAL								
1. Well name and number: <u>Sherman 2-12B2</u> API number: <u>43-013-31238</u>											
2. Well locat	2. Well location: QQ <u>SWSE</u> section <u>12</u> township <u>2S</u> range <u>2W</u> county <u>Duchesne</u>										
3. Well operator: Pennzoil Exploration and Production Company Address: P.O. Box 290 phone: 801-353-4397 Neola, UT 84053											
4. Drilling contractor: Forwest, Inc. Address: 11211 Katy FWY., Suite 530 phone: 713-932-7976 Houston, TX 77079											
5. Water encountered (continue on reverse side if necessary)											
Dep		Volume	Quality								
from	to	(flow rate or head)	(fresh or salty)								
861'	· · ·	Shut in-150 psiKilled w/	Fresh								
1578'		12.2# mud  Increased mud to 12.3#	Fresh								
1873		Shut in-45 psiKilled w/	Fresh								
20,0		12.6# mud									
1928'	1934'	Shut in-10 psiKilled w/ 12.8# mud	Salty								
6. Formation tops:											
If an analysis has been made of the water encountered, please attach a copy of the report to this form.  No analysis was made.											
I certify tha	t this r	eport is true and complete to	o the best of my knowledge.								
Name <u>Wilburn</u> Title <u>Drillin</u>		Signature Date Septe	Wilbaren L. Lura mber 22, 1989								

Comments:

#### PENNZOIL COMPANY

Sherman 2-12B2

SE/4 Section 12, T2S, R2W Bluebell - Altamont Field Duchesne Co., Utah

> EDWARD ENGINEERING Marjorie A. Pierce Geological Engineer

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- I. Well Summary
- II. Geologic Summary
- III. Electric Log Tops
  - IV. Summary of Potential Productive Intervals Recommended for Perforation
  - V. Drilling and Logging Summary
- VI. Daily Log of Operations
- VII. Bit Record
- VIII. Mud Record
  - IX. Distribution of Records
  - X. Drilltime Log

#### WELL SUMMARY - SHERMAN 2-12B2

OPERATOR:

Pennzoil Company

LEASE:

Sherman 2-12B2

LOCATION:

Field: Bluebell-Altamont Field Legal: SE/4 Section 12, T2S, R2W

940' FSL, 1680' FEL

County: Duchesne County, Utah

**ELEVATION:** 

Ground Level: 5211' Kelly Bushing: 5238'

SPUD DATE:

6 August 1989

CEASE DRILLING:

24 September 1989

TOTAL DEPTH:

12,500' Driller

12,503' Steel Line Measure

12,497' Logger

12,500' Final Total Depth

CASING PROGRAM:

10 3/4" Surface Casing set at 3000'

7" Casing set at 12,500'

MUD PROGRAM:

Mud Company: NL Baroid

Mud Engineer: Jim Garcia Mud Type: Water: surface - 861'

Gel- Barite: 861'- 3000'

Water: 3000'- 9000'

LSND: 9000'- 12,500' T.D.

SAMPLE PROGRAM:

Caught: 30' surface - 4,300'

10' 4,300' - 12,500'

Examined: 4,300' - 12,500' by mudloggers verified

by wellsite geologist

Mudlogging: Datalog/Western

24 hour - 2 man unit 4300'-11,300' 12 hour - 1 man unit 11,300'-12,500'

FID total gas detection

FID Chromatography

Mudloggers: Larry Gunther, Terry Ross

Warren Jacobs

CONTRACTOR:

Forwest Rig No. 6

Toolpushers: Tim Roe, John Arndt

Drillers: Jeff Duncan, J.D. Foreman,

Tom Myron, Dwain Peay

ELECTRIC LOGGING: Schlumberger

Run 1: Engineer: Jeff Bond

Log Types: Dual Laterolog

3000'- 12,497'

Micro-SFL

3000'- 12,497'

Gamma Ray

surface- 12,497'

Compensated Neutron - Litho-

Density 4700'- 12,497' Digital Sonic - SLA

3000'- 12,497'

Digital Sonic Waveforms

4750'- 12,497'

Formation Microscanner

selected intervals between

5150'- 12,190' 4-Arm Caliper

3000'- 12,497'

RWA

4750'- 12,497'

WELLSITE SUPERVISOR: Danny Laman,

Danny Laman, W.M. Smith - "Smitty" Deloy Duncan

WELLSITE GEOLOGIST: Marjorie A. Pierce

#### GEOLOGIC SUMMARY - SHERMAN 2-12B2

The Pennzoil Company Sherman 2-12B2 was drilled as a Wasatch test in the SE/4 of Section 12, T2S, R2W of Duchesne County, Utah. The Sherman 2-12B2 was drilled to a total depth of 12,500 feet, 100 feet below the proposed T.D. of 12,400 feet. The well penetrated 110 feet below the top of the Three Fingered Lime and 441 feet below show #17 at 12,059 feet, the last show encountered in the Sherman 2-12B2. The Sherman 2-12B2 well is surrounded by Wasatch and Green River producers.

The Sherman 2-12B2 penetrated 4,834 feet of the Uinta and Duchesne formations, followed by approximately 5,846 feet of Green River formation, and 1,820 feet into the Wasatch formation before reaching a total depth of 12,500 feet. Several water flows were encountered at the Sherman 2-12B2 location while drilling through the Unita and Duchesne formations. A 2" flow was first observed at a depth of 861 feet and was killed with 12.3 lbs./gal. mud weight. Then a 1" stream was observed at a depth 1578 feet where the mud weight was increased to 12.2 lbs./gal. A third flow was encountered at a depth of 1928 to 1934 feet and was killed with 12.8 lbs./gal. mud weight. well was then drilled to the surface casing point of 3000 feet The hydrocarbon bearing intervals in with 12.8 lbs./gal. mud. the Bluebell-Altamont Field include the Green River and Wasatch formations which are both Tertiary in age. These formations represent a period of sedimentation dominated by a lacustrine type environment.

The Green River formation is comprised of lake type deposits including varved shales, marlstones, carbonates, and occasional sand. The "H", also referred to as the Douglas Creek member of the Green River, and "HI" intervals appear to be good These two intervals lines for correlation purposes. consist of fractured carbonates and dark gray-black shales indicating a time when most of the basin was submerged by the The Green River has been subdivided into three lake waters. stages for completion purposes which may be altered at the operator's discretion: Stage V (4,834'-6,682'), the Upper Green River littoral facies with 415 feet of potential pay; Stage IV (6,682'-8,748'), the Upper Green River separated from the littoral facies by the Trona I with 804 feet of potential pay; and Stage III (8,748'-10,680'), the Lower Green River lacustrine facies with 568 feet of potential pay. Stages III, IV, and V are all normally pressured and a total of 1,787 feet or 31% of the Green River formation may be potentially productive. Green River formation was drilled with water to a depth of 9,450 feet before switching the system to mud. The Green River shows in the Sherman 2-12B2 appear to be mediocre in comparison to other recently drilled Green River sequences. Show #9 (9416' -9422') in the "HI" member was the best hydrocarbon bearing interval observed while drilling through the Green River formation in the Sherman 2-12B2.

The Wasatch formation was deposited when an influx of sediments from the Wasatch mountain range encroached the basin. Generally, this was a transitional type deposit dominated by red followed by a return to a more euxinic lacustrine environment, but at this location on the south end of the basin The transitional deposits are no red beds were deposited. The predominantly green shales in this area . transitional red wedge which is sometimes encountered in the basin was not penetrated by the Sherman 2-12B2, drilling ceased at a depth of 12,500 feet in the lacustrine facies of the The Wasatch formation penetrated in the Wasatch formation. Sherman 2-12B2 from a depth of 10,680 feet to a depth of 11,466 The first occurrence of abnormal feet was normally pressured. pressure was encountered with show #14 (11,480'-11,484') where it was necessary to increase the mud weight from 10.8 lbs./gal. The well reached total depth of 12,500 feet to 12.0 lbs./gal. with a maximum mud weight of 13.0 lbs./gal. Intermediate casing For completion was not deemed necessary at this location. the Wasatch formation has been divided into two purposes, stages, relative to the different pressure regimes encountered within the Wasatch interval; Stage II (10,680'-11,466'), the normally pressured Upper Wasatch, has 301 feet of potential pay; and Stage I (11,466'-12,500'), the abnormally pressured Lower Wasatch lacustrine facies has 330 feet of potential pay. Wasatch formation has a total of 631 feet of potential pay or 35% of total Wasatch section penetrated by the Sherman 2-12B2. Potential production from the Wasatch formation at this location is expected to be mediocre, when compared to other recently drilled Wasatch sequences in the area. The best shows in the Wasatch interval were #14 and #15. As previously discussed, (11,480'-11,484') occurred at the top of the #14 overpressured regime and flowed abundant dark brown oil over the shaker necessitating an increase in mud weight from 10.8 Show #15 (11,665'-11,677') occurred lbs./gal. to 12.0 lbs./gal. within the Wasatch/200 interval. An increased flow of dark brown-green oil with this show caused the mud weight to be raised from 12.4 lbs./gal. to 13.0 lbs./gal. The Sherman 2-12B2 was then drilled to T.D. (12,500') with a maximum mud weight of 13.0 lbs./gal.

Summaries of the potential productive intervals recommended for perforation for Stage I, II, III, IV, and V follow the list of electric log tops. Log panels showing these potential productive intervals were not prepared by the geologist for the Sherman 2-12B2 (this service was not requested by Pennzoil for this job). Please refer to the mud log provided by Datalog/Western for a detailed description of the samples which were examined and verified daily by the mudloggers and the geologist.

### ELECTRIC LOG TOPS - SHERMAN 2-12B2

<u>Formation</u>	<u>Depth</u>	Subsea	Structural Comparison to Darwood Campbell 1-12B2
Green River	4834	+ 404	84' high
Green River/Z	6198	- 960	83' high
Evacuation Creek	6230	-1042	NA
Trona I	6682	-1444	94' high
Parachute Creek	7340	-2102	101' high
Mahogany Bench	7446	-2208	110' high
Green River/DJ	7942	-2704	95' high
Douglas Creek/H	8748	-3510	86' high
Green River/HI	8968	-3730	92' high
CP 70	9890	-4652	48' high
Wasatch/ Top of Green Shale	10,680	-5442	
Wasatch/TAP Hi	11,466	-6228	
Wasatch/200	11,592	-6354	61' high
Wasatch/215	11,938	-6700	57' high
Wasatch/216	12,062	-6824	59' high
Wasatch/TFL	12,390	-7152	NR
Total Depth	12,497	-7259	

SHERMAN 2-12B2
STAGE I - Wasatch Lacustrine Facies, overpressured

		GR	RT		0il					Net		
B-Log Depth					in	Mud Wt.	Sample	Fract	Show	_	Quality	Benarks
GR on DLL	Depth		ohas		Mud	in/out	Show		Report	Pay		
										****	• • • • • • •	1111111111111
11,466	11,466					foverpressi	no no	ervai fd,ft,f]	l #14	9 2	n avoy	dk. brown oil
11,450-88	11,450-88			6700-10,536		11.8/10.2		14,16,11	1 111		fair	AE' OLOMII OLI
11,504-22	11,504-22			4000-6300 4500-6300	-	11.9/10.2	no				fair	
11,536-46	11,536-46 11,564-76		•	4700-8300	•	11.9/10.4	no no				poor	
11,564-76	11,580-88				•	11.9/10.4	no	fl			fair	
11,580-88	11,500-00	-	yes tch/		jes	11.3/10.4	110	TI		U	1011	
11,592 11,602-16	11,602-16		•	6800-6800	. 200	12.0/10.6	no	fl		14	fair	dk.brown-green oil
•	11,634-44	-	yes	6500-7500	•	12.3/10.8	no	11			fair	washout
11,634-44 11,670-82	•	yes	-	7500-10,400	•		no	•	<b>‡</b> 15		good	dk.brown-green oil
11,742-48	11,742-48	•	yes	6200-8500		12.9/11.7	no no	fl	410		fair	and the state of t
11,822-34	11,822-34			6900-7100	•	12.9/12.2	no				fair	
11,938	11,938		tch /		100	10.0/10.0	110			•-		
11,950-74	11,950-74			3200-5000	VA C	12.8/12.4	no	fl		24	fair	dk.brown-green oil
12,004-20	12,004-20	•	yes	5800-6332	•	12.8/11.7	no	fs,fl	#16		good	
12,030-36	12,030-36	no	yes	5300-6000	•	12.8/10.9	no	10,11	,		fair	DP stuck @ 12,028'
12,062	12,062		tch /		100	1010,1010				•		
12,062-70	12,062-70		yes	3800-6488	no	12.8/11.0	no		<b>‡</b> 17	8	fair	
12,079-93	12,079-93		•	6400-7800	no	12.8/10.9	no no	fs	•••		fair	
12,096-102	12,096-102		yes	7600-8000	no	12.8/10.9	no	fs,fl			fair	
12,110-14	12,110-14	-	yes	7500-5500	no	12.8/10.9	no	fs,fl			poor	
12,144-52	12,144-52		•	5800-6500	no	12.7/11.2	no	fl			fair	
12,158-74	12,158-74			6500-8200	no	12.8/11.6	no	fd,fl			fair	
12,182-86	12,182-86	yes	yes	6700-7000	n o	12.8/11.7	no	fd,ft,f]	l	4	fair	
12,190-94	12,190-94	•	<b>y</b> es	7000-7600	no	12.8/11.7	no	fd,ft		4	fair	
12,210-18	12,210-18		yes	7200-6600	no	12.8/11.3	no			8	fair	
12,238-44	12,238-44	no	yes	3400-3400	no	12.9/11.6	no			6	poor	
12,254-57	12,254-57		yes	2700-2700	no.	12.9/11.6	no			3	poor	
12,275-92	12,275-92	-		2400-3400	no	12.9/11.5	no	fl		17	poor	
	12,300-304	yes	yes	NR	no	13.0/11.9	no	:		4	poor	trip for bit
12,320-30	12,320-30	80me	some	2800-3000	no	13.0/12.1	no			10	poor	
12,343-47	12,343-47			4500-4000	no	13.0/12.1	no			4	poor	
12,358-66	12,358-66	yes	yes	3800-4800	no	13.0/12.0	no	fl		8	fair	
12,390	12,390	Wasa	tch /	Three Finge	ered	Lime						
	12,390-402			5000-6500	no	13.0/11.5	no	fs,fl		12	fair	
12,430-34	12,430-34		yes	3100-3800	no	13.0/11.5	no			4	poor	
12,458-62	12,458-62	NL	yes	2700-3000	no	13.0/11.9	no				poor	
********	********	****	****	********	tttt	********	*****	*******	*******	****	******	111111111111

STAGE I SUBTOTAL

330

#### SUMMARY OF POTENTIAL PRODUCTIVE INTERVALS RECOMMENDED FOR PERFORATION

SHERMAN 2-12B2 STAGE II - Upper Wasatch, normal pressured

		GR	RT		Oil					Net		
B-Log Depth	Mudlog	(60	>30	Total Gas	in	Mud Wt.	Sample	Pract	Show	Ft.	Quality	Remarks
GR on DLL	Depth	API	ohms	units	Mud	in/out	Show		Report	Pay		
*********	*********	****	****	********	******	********	******	******	*******	****	*******	******
10,680	10,680	Wasa	tch /	Top of Gre	en Shal	ie						
10,702-12	10,702-12	yes	<b>y</b> es	2000-2200	trace	9.9/9.9	no	fl		10	poor	
10,742-46	10,742-46	yes	yes	1800-1800	trace	9.9/9.7	no	fl		4	poor	washout
10,776-836	10,776-836	yes.	80 <b>2</b> 0	1200-1800	trace	9.9/9.5	no	fl		60	poor	
10,904-22	10,904-22	<b>y</b> es	some	2400-2600	no	10.1/9.4	no			18	poor	
11,005-09	11,005-09	yes	<b>y</b> es	2000-2000	no	10.3/9.5	no			4	poor	
11,014-18	11,014-18	no	yes	1800-2000	no	10.3/9.5	no	fl		4	poor	washout
11,027-31	11,027-31	yes	<b>y</b> es	2300-2300	no	10.3/9.5	no			4	poor	
11,041-50	11,041-50	yes	yes.	1600-2000	no	10.2/9.6	no			9	poor	
11,064-69	11,064-69	<b>y</b> es	<b>y</b> es	1800-2000	no	10.2/9.6	no			5	poor	
11,076-84	11,076-84	<b>y</b> es	yes	2200-4047	yes	10.4/9.9	no	ft,fl	#11	8	good	dk. green oil
11,092-120	11,092-120	some	80 <b>2</b> e	2000-3500	no	10.4/9.9	no	fl		28	fair	washout
11,134-40	11,134-40	yes	yes	3200-3500	no	10.5/9.5	no			6	poor	
11,160-66	11,160-66	yes	yes	3400-3500	no	10.5/9.5	no	fl		6	poor	washout
11,186-252	11,186-252	yes	some	3600-5200	no	10.5/9.6	no	fl		66	fair	washout
11,286-94	11,286-94	yes	yes	4000-4500	no	10.6/9.8	no			8	poor	
11,300-32	11,300-32	yes	8010	4000-7116	no	10.7/10.1	no	fd,fl	#12		good	washout
11,383-400	11,383-400	some	yes	3200-3600	no	10.7/10.2	no	fl			poor	
11,404-16	11,404-16	yes	<b>y</b> es	3800-5664	no	10.7/10.4	no	fd	<b>‡</b> 13	12	good	
********	*********	****	****	*******	*****	******	******	*****	******	****	*******	*********
								r + 4115 m	A = 1 F			

STAGE II SUBTOTAL 301

#### SUMMARY OF POTENTIAL PRODUCTIVE INTERVALS RECOMMENDED FOR PERFORATION

SHRRMAN 2-12B2
STAGE III - Green River Lacustrine, normal pressured (includes "H" & "HI")

	GR RT	Oil		Net
B-Log Depth Mudlog	(60 )30 Total Cas	in Mud Wt.	Sample Fract Show	Ft. Quality Remarks
GR on DLL Depth	API ohms units	Mud in/out	Show Repor	· · · · · · · · · · · · · · · · · · ·
			*******	*********
8748 8748	Green River - Dougla			
8752-838 8752-838	yes yes 50-200	yes Drlg.	no fl	86 good dk. brown oil
8852-57 8852-57	<b>y</b> es yes 52-52	no w/water	no	5 poor
8886-96 8886-96	yes yes 30-186	yes	no fl #8	<del>-</del>
8918-24 8918-24	уев уев 55-60	ħ0	no	6 poor
8968 8968	Green River - "HI"			
8968-9038 8968-9038	yes yes 12-150	yes Drlg.	no fl	70 good dk. brown oil
9056-70 9056-70	yes yes 50-65	no w/water	no fl	14 poor
9104-24 9104-24	yes yes 40-70	no	no fl	20 fair
9192-207 9192-207	some yes 25-50	no	no	15 poor
9216-28 9216-28	some yes 20-58	no	no	12 poor
9244-56 9244-56	yes yes 25-75	<b>y</b> es	no	12 fair dk. brown oil
9414-90 9414-90	no yes 55-7052	<b>y</b> es	no fl #9	76 v.good dk. brown oil
9522-40 9522-40	no yes 850-1000	yes 9.1/9.1	no	18 poor
9890 9890	Green River - CP 70			
9898-922 9898-922	some yes 500-590	trace 9.5/8.6	no fl	24 poer
10,092-100 10,092-100	yes yes 420-420	trace 9.5/9.3	no fl	8 poor
10,136-58 10,136-58	yes yes 220-600	yes 9.5/8.9	no	22 fair dk. brown oil
10,224-52 10,224-52	some yes 1000-1800	trace 9.5/9.3	no	28 poor
10,312-72 10,312-72	yes yes 1800-2500	yes 9.5/9.4	no fl	60 fair
10,380-400 10,380-400	yes yes 1500-1800	trace 9.5/9.3	no	20 poor
10,506-20 10,506-20	yes some 1800-1900	trace 9.5/9.5	no	14 poor
10,584-92 10,584-92	yes yes 1900-2400	trace 9.7/9.5	no	8 poor 7' flare
10,612-52 10,612-52	yes some 1000-5050	yes 9.9/9.5	no fl   #10	0 40 good dk. brown oil
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STAGE III SUBTOTAL 568

SHERMAN 2-12B2 STAGE IV - Upper Green Biver, below Trona I, normal pressured

		GR	RT		0il					Net				
B-Log Depth	Mudlog	<b>(60</b>	>30	Total Gas	in	Mud Wt.	Sample	Fract	Show		Quality	Re	narks	
GR on DLL	Depth	API	ohms		Mud	in/out	Show		Report	Pay			-01 40	
						********		::::::				1111	*****	k
6682	6682			er - Trona										
6864-964	6864-964			20-496		Drlg.	no	fs,fl	<b>#</b> 5	100	good	dk.	brown	oil
7000-28	7000-28			60-60	yes	w/water	no	,	• -		poor			
7086-150	7086-150			45-200	yes		no				poor			
7340	7340		•	er - Parach	•	reek					•			
7340-76	7340-76			40-403	yes		no	fs	<b>‡</b> 6	36	good	dk.	brown	oil
7446	7446			er - Mahoga	•	nch			•		-			
7508-34	7508-34		yes	100-200	•	Drlg.	yes	fl		26	roog	dk.	brown	oil
7544-62	7544-62		<b>y</b> es	150-150	<b>y</b> es	w/water	yes	fl			poor			
7578-650	7578-650			150-300	<b>y</b> es	·	<b>y</b> es	fl			1000			
7760-90	7760-90		yes	300-300	yes		yes				poor			
7820-68	7820-68	80me	•	30-100	no		yes				poor			
7942	7942	Gree	n Riv	er - "DJ"			•				•			
7986-8072	7986-8072	Some		30-120	no	Drlg.	yes	fl		86	poor			
8172-80	8172-80	<b>y</b> es	yes	10-50	no	w/water	yes	fd,fl		8	fair			
8184-92	8184-92	yes	yes	50-100	no		no	fl		8	fair			
8212-18	8212-18	yes	yes.	85-180	no		no	fil		6	poor			
8222-40	8222-40	yes	yes.	70-296	yes		no	fl	#7	18	good			
8250-88	8250-88	yes	yes .	40-296	yes		no	fd,fl		38	fair			
8302-308	8302-308	yes	yes	70-85	yes		no			6	poor			
8334-46	8334-46	yes	yes	65-85	yes		no				poor			
8350-60	8350-60	<b>y</b> es	yes	82-100	yes		no			10	poor			
8366-400	8366-400	yes	<b>y</b> es	78-83	yes		no	fl			poor			
8406-10	8406-10	yes	yes	50-60	<b>y</b> es		no	÷		4	poor			
8454-500	8454-500	yes	yes	30-65	no		no	fl		46	poor			
8504-16	8504-16	yes.	yes	40-40	no		no	fl		12	poor			
8522-30	8522-30	<b>y</b> es	yes	40-52	no		no			8	poor			
8550-60	8550-60	yes	yes	35-75	no		no	fl		10	poor			
8566-73	8566-73	<b>y</b> es	yes	35-80	no		no			6	poor			
8584-93	8584-93	yes	yes	100-120	no		no	fd			poor			
8600-27	8600-27	<b>y</b> es	yes	90-100	no		no	fl			poor			
8636-52	8636-52	yes	yes	55-100	no		no	fl		16	poor			
8658-66	8658-66	<b>y</b> es	<b>y</b> es	50-50	no		no			8	poor			
8686-96	8686-96	yes	<b>y</b> es	40-50	no		no				poor			
*********	********	-	-	********	****	*********		*****	*******			1111	*****	

STAGE IV SUBTOTAL 804

#### SUMMARY OF POTENTIAL PRODUCTIVE INTERVALS RECOMMENDED FOR PERFORATION

SHERMAN 2-12B2 STAGE V - Upper Green River, littoral, normal pressured

R-Log Depth	n Mudlog	GR (60	RT >30	Total Gas	0il in	Mud Wt.	Sample	Fract	Show	Net Rt.	Quality	Remarks	
GR on DLL	Depth	API	ohms		Mud	in/out	Show		Report	Pay			
11111111111	********	11111	****	********	****	*********	*****	******	•			******	
4834	4834	Top	of Gr	een Biver									
4984-5006	4984-5006	no		0-0	no	Drlg.	no	fl		22	poor		
5156-202	5156-202	some	some	0-19	no	w/water	no	fl			poor		
5444-90	5444-90	some	yes.	0-32	no		пo				1000	partial invasio	n
5860-79	5860-79	yes	no	11-41	yes		no	fl	<b>#</b> 1		fair	black tar	
5958-72	5958-72	yes	some	6-9	no		no			14	poor		
5984-92	5984-92	some	yes	2-2	no		no			8	poor		
6000-34	6000-34	80 <b>2</b> e	80me	2-40	no		yes			34	poor		
6042-54	6042-54	<b>y</b> es	yes	35-25	no		<b>y</b> es				poor		
6060-72	6060-72	yes	<b>y</b> es	25-25	no		yes .				poor		
6080-134	6080-134	some	no	25-58	<b>y</b> es		<b>y</b> es	fl	#2	54	fair	dk. brown oil	
6198	6198	Gree	n Riv	er - "Z"									
6280	6280	Gree	n Riv	er - Bvacua	tion	Creek							
6388-478	6388-478	80me	yes	10-98	yes	Drlg.	no	fl	#3-#4	90	good	dk. brown oil	
6515-35	6515-35	no	<b>y</b> es	20-45	yes	w/water	no	fd,fl		20	fair	dk. brown oil	
********	********	****	****	*********	****	*********	******	******	*******	****	1111111	*******	
							STAGE	V SUBTO	TAL	415			

#### DRILLING AND LOGGING SUMMARY - SHERMAN 2-12B2

The Sherman 2-12B2 was spud on August 6, 1989 and Forwest started drilling a 13-3/4" hole. Several water flows were encountered in the upper portion of the hole, as previously discussed in the Geologic Summary, requiring a mud weight of 12.8 lbs./gal. prior to reaching the surface casing point of 10-3/4" surface casing was set and cemented at 3.000 feet. 3,000 feet and the drilling of a 8-3/4" hole with water resumed. It was not necessary to mud up until a depth of 9,450 feet was A depth of 10,500 feet was attained at 4:30 A.M. MST, on 9/2/89 at which point the rig contractor switched from a footage contract to a daily rate basis. Abnormal pressure was encountered at a depth of 11,466 feet with show #14 in the The mud weight was increased from 10.8 Sherman 2-12B2. lbs./gal. to 12.0 lbs./gal. to stop the flow of dark brown paraffinic oil. At a depth of 12,028 feet, a bit trip was made just after encountering show #16 (11,975'-12,010'). The drill pipe became differentially stuck while attempting to trip out of the hole with bit #10, indicating possible depletion of some of the lower Wasatch productive intervals. The fishing operation to retrieve the 22 stuck drill collars, which were originally backed off at 11,244 feet, took 10 days to complete. Paraffin plugging of the drill pipe slowed down the fishing operation The Sherman 2-12B2 was drilled to a total depth considerably. of 12,500 feet with a maximum mud weight of 13.0 lbs./gal. total mud lost during the drilling of the Sherman 2-12B2 was estimated at 2161 barrels. After logging the well at T.D., 7" production casing was set at 12,500 feet. Getting casing down to T.D. was not an easy task, but was finally accomplished.

Schlumberger logged the open hole after the total depth of The Dual Laterolog with Micro-SFL was 12,500 feet was reached. run first. An older version of the Dual Laterolog tool was run in this hole with a different type caliper than was run in the last hole logged by Schlumberger (Mark 2-25A2). A good quality Dual Laterolog with Micro-SFL was obtained for the entire open hole using this single arm caliper tool. Some rough hole was encountered in the Wasatch interval but nothing too serious. The Compensated Neutron-Lithodensity was logged next from T.D., 12,497 feet, to 4700 feet. After these two logs were completed the hole was circulated and conditioned prior to running the The Digital Sonic tool hit a bridge at 7812 feet while running in the hole, so the sonic log was logged uphole from 7812 feet to surface casing at 3000 feet, with waveforms up to 4750 feet. A partial trip back in hole with the bit was made in an attempt to knock out the bridge and the sonic tool was run back in the hole hitting a bridge at 8280 feet this The sonic tool was pulled out of the hole and a complete trip to clean out, circulate, and condition the hole was made. The Digital Sonic tool was then run back in the hole to finish logging the Digital Sonic and Waveforms. The sonic and

waveforms were recorded from T.D. (12,475') to a depth of 9000 feet where the Digital Sonic tool failed. A second tool was run in the hole to 9000 feet. It was necessary to make two passes with the second sonic tool from 9000 feet to 7800 feet since the second tool was not fully operational. After finally obtaining a Digital Sonic log for the entire open hole and Waveforms from T.D. to 4750 feet, the BGT (Borehole Geometry Tool) was run to from T.D. (12,494') to surface obtain a 4-Arm Caliper Log casing (3,000') in order to obtain better data on the hole volume for the purpose of calculating the amount of cement needed to cement the 7" production casing. The 4-arm Caliper log was also instrumental in delineating fractured intervals to be logged with the FMS tool. The hole was then circulated and conditioned before logging the FMS. The Formation Microscanner with a Dipmeter was logged over selected intervals between 5150 feet and 12,190 feet. Schlumberger was instructed not to process any of the FMS data until told to do so by Gary Kornegay from Pennzoil's Houston office. 7" production liner was set at the total depth of 12,500' after encountering numerous problems getting the casing in the ground.

DAILY LOG OF OPERATIONS FOR SHERMAN 2-12B2 (6:00 AM depths)

	DATE	DAY	DEPTH	FOOTAGE	OPERATIONS ********
*		****	40		
	22-Jul-89				Drlg. 16" conductor hole.
	23-Jul-89		40		Building location.
	24-Jul-89		40		Building location.
	25-Jul-89		40		Building location.
	26-Jul-89		115		Drlg. 16" conductor hole.
	27-Jul-89		125	10	Drlg. conductor hole; set &
					cement 16" conductor @ 124'.
	28-Jul-89		125	0	Building location.
	29-Jul-89		125	0	Building location.
	30-Jul-89		125	0	Rig up.
	31-Jul-89		125		Rig up.
	01-Aug-89		125		Rig up.
	02-Aug-89		125		Rig up.
	03-Aug-89		125		Rig up.
	04-Aug-89		125		Rig up.
	05-Aug-89		125		Rig up.
	UU-AUB-UU		120	· ·	nt a up.
	06-Aug-89		152	27	Spud 8/6/89 @ 1:30 PM MST.
	07-Aug-89	1	861		Drlg. #1; 2" water flow @ 861';
	V. 112g 31	_			shut in & build mud wt.
	08-Aug-89	2	1206	345	Drlg. #1; build mud wt. to 12.3#;
	-				drlg. #1; trip for bit #2.
	09-Aug-89	3	1670	464	Wash & ream to bottom; drlg. #2;
		_			1" water flow @ 1578'.
	10-Aug-89	4	2024	354	Drlg. #2; water flow @ 1873' &
	10 hug ou			001	1928'-1934'; build mud wt. to
					12.8#/gal.
	11-Aug-89	5	2253	229	Drlg. #2.
	12-Aug-89	6	2460		Drlg. #2; trip for bit #3; wash
	12-Aug-03	U	2400	201	from 2100'-2314' circ. up 3"-6"
					boulders; drlg. #3.
	10 4 - 00		0005	145	
	13-Aug-89	7	2605	145	Drlg. #3; trip for bit #4(RR#2);
		•	0010		wash & ream to bottom; drlg. #4.
	14-Aug-89	8	2812		Drlg. #4.
	15-Aug-89	9	2981		Drlg. #4.
	16-Aug-89	10	3000	19	Drlg. #4; circ. & cond. to run
					10 3/4" casing.
	17-Aug-89	11	3000	0	10 3/4" surface csg. set &
					cemented @ 3000'; WOC; install
					BOP & test; nipple up BOPs.
	18-Aug-89	12	3383	383	Nipple up & test BOPs; TIH w/
				•	bit #5; test 10 3/4" csg.; drlg.
				•	8 3/4" hole w/bit #5; drill out
					cement; test csg. seat; drlg. #5.
	19-Aug-89	13	4015	632	Drlg. #5; leak off test @ 3515';
					drlg. #5; leak off test @ 4015'.
	20-Aug-89	14	4587	572	Drlg. #5; leak off test @ 4515';
	20 Aug 00	4 78		0.2	drlg. #5.
	21-Aug-89	15	5206	619	Drlg. #5; leak off test @ 5015';
	21-Aug-00	10	0200	013	drlg. #5.
	22-Aug-89	16	5871	665	Drlg. #5.

23-Aug-89	17	6377	506	Drlg. #5; trip for bit #6; cut
				drill line; TIH.
24-Aug-89	18	6830	453	TIH; wash to bottom; drlg. #6.
25-Aug-89	19	7400		Drlg. #6.
26-Aug-89	20	7865		Drlg. #6; trip for bit #7; ream
20-Aug-63	20	1805	403	
97 4 90	0.1	0001	500	to bottom.
27-Aug-89	21	8391		Drlg. #7.
28-Aug-89	22	8939		Drlg. #7.
29-Aug-89	23	9490		Drlg. #7; mud up @ 9490'.
30-Aug-89	24	9733	243	Drlg. #7; leak off test @ 9733';
				trip for bit #8.
31-Aug-89	25	9996	263	Wash 90' to bottom; drlg. #8.
01-Sep-89	26	10242	246	Drlg. #8.
02-Sep-89	27	10500		Drlg. #8; trip for bit #9;
•				Forwest on dayrate @ 4:30 AM
				9-2-89.
03-Sep-89	28	10698	198	TOOH; cut drill line; TIH w/bit
00 Bcp. 00	20	10000	150	#9; wash to bottom; drlg. #9.
04 9 00	20	10934	006	
04-Sep-89	29			Drlg. #9.
05-Sep-89	30	11150		Drlg. #9.
06-Sep-89	31	11342		Drlg. #9.
07-Sep-89	32	11503		Drlg. #9; trip for bit #10.
08-Sep-89	33	11620	117	TOOH; magnaflux BHA; TIH w/bit
				#10; wash to bottom; drlg. #10;
				circ. on choke w/55' flare @
				11,506'; drlg. #10.
09-Sep-89	34	11877	257	Drlg. #10; lost 180 bbls. of mud.
10-Sep-89	35	12028		Drlg. #10; trip for bit #11; well
2. 2. P				began flowing while TOOH, gained
				51 bbls.; trip back in hole; lost
				270 bbls. @ 11,973'.
11-Sep-89	36	12028	0	
11-Sep-63	30	12020	U	TIH; circ. on choke; lost 140
				bbls.; work stuck pipe; run free-
				point w/Dialog; stuck @ 11,284;
				shot & backed off @ 11,244';
				circ. @ 11,244.
12-Sep-89	37	12028	0	Fishing, top of fish @ 11,122',
				bit @ 11,806'.
13-Sep-89	38	12028	0	Fishing; spot diesel & jar fish.
14-Sep-89	39	12028	0	Jet 5" DP w/ 1" coiled tubing;
- :				encountered bridge @ 41'; RU
				hot oiler; recovered mud, LCM, &
				paraffin @ shaker; bridge @ 64'.
15-Sep-89	4.0	12028	0	Jet 5" DP w/ 1" coiled tubing;
re sep ee	1.0	12020	v	run magnet to recover possible
				junk on top of bridge; no junk;
				run bailer; recovered LCM; well
				began to flow; resume jetting
				coiled tubing down DP; recover
				mud w/LCM @ shaker.
16-Sep-89	41	12028	0	Clean out 5" DP w/ 1" coiled
				tubing from surface to 11,042';
				hit bridges @ 850', 10,762', &
				11,042'.
17-Sep-89	42	12028		Clean out DC w/ 1" coiled tubing
•				to 11,716'; unable to wash thru
				, ,

18-Sep-89	43	12028	0	bridge @ 11,716'; RD coiled tubing; RU Dialog; run freepoint. Back off @ 11,278'; attempt to circ.; circ. out heavily gas & oil cut mud; lost 463 bbls. to formation & 648 bbls. of highly oil cut mud junked to reserve pit; TOOH w/ fish; 17 DC, shock sub, & bit still in hole; top of fish @
19-Sep-89	44	12028	0	11,278'. Test BOP; magnaflux BHA; TIH, break circ. @ 3003', 6123', & 9010'; wash from 11,127' to top
20-Sep-89	45	12028	0	of fish @ 11,412'; TOOH.  TIH w/ bit; W&R from 11,049';  circ. & cond. hole; TOOH; PU  fishing tools & TIH; screw into  fish & TOOH.
21-Sep-89	46	12028	0	TOOH w/ fish; magnaflux DC; TIH w/ bit #11; break circ. @ 3000', 6000', 9000', & 11,000'; wash & ream 11,394'- 11,855'; lost 22
22-Sep-89	47	12237	209	bbls. of mud. Wash & ream from 11,855'- 12,028';
23-Sep-89	48	12315	78	drlg. #11. Drlg. #11; trip for bit #12; TIH; cut drill line; break circ. @ 3000', 6000' & 9000'; ream 35' to
				bottom.
24-Sep-89 25-Sep-89	49 50	12485 12500		Drlg. #12. Drlg. #12; circ. bottoms up; short trip; W & R 51' to bottom; circ. & cond. for logs; TOOH; RU
26-Sep-89	51	12500	0	Schlumberger; run DLL.  RU lubricator; run FDC/CNL; TIH break circ. @ 3,000',6000',7000', 8000',9000',10,000', & 11,000'; circ. & cond. for logs; TOOH.
27-Sep-89	52	12500	0	Finish TOOH; run digital sonic & hit bridge @ 7812'; logged from 7812' to 3000'; POOH; TIH to work thru bridge 7812'- 7855'; TOOH; Attempt to run sonic again hit bridge @ 8280'; POOH; TIH & break circ. every 2000'; work thru
				bridge @ 8280'; finish TIH; circ. & cond. for logs.
28-Sep-89	53	12500	0	Circ. & cond.; TOOH for logs; run digital sonic & 4-arm caliper; TIH to circ. for logs.
29-Sep-89	54	12500	0	TIH & break circ. every 2000'; circ. & cond.; TOOH for logs; run FMS/Dipmeter from 12,190'- 5150'; RD Schlumberger; TIH to circ. for casing; break circ. every 2000'; total mud loss to date 2161 bbls.

30-Sep-89	55	12500	0	Finish TIH to circ. & cond. for casing; LD 5" DP & DC; RU casing crew.
01-Oct-89	56	12500		Run 7" casing to 3024'; break circ.; run 7" csg. to 3174'& lost returns; lost 121 bbls. of mud; run 7" csg. to 4954' w/ no returns; attempt to regain circ. @ 4954'.
02-oct-89	57	12500		Attempt to regain circ. @ 4954'; heat mud to 160 deg.; no returns; pull 10 jts. 7" csg. to 4534'; regain circ. @ 4534'; circ. & cond. hole; lost 738 bbls. of mud in 24 hrs.; total mud loss to date 3639 bbls. of mud.

Geologist released 9-29-89. Mudloggers released 9-25-89.

#### BIT RECORD FOR SHERMAN 2-12B2

BIT		SERIAL	DEPTH		ACC. WOB	PUP	P SPM	MUD
NO.	SIZE MAKE TYP	B NOZZLBS NO.	OUT FEET	HRS. FT/HR	HRS. 1000#	RPM PRE	88 1 - 2	WT. VIS.
****	***********	**********	***********	**********	***********	******	******	************
1	13 3/4" REED Y11	J 14-14-14 741196	1,205 1053	28 37.6	28 20/50	70 28	00 95-65	12.7 37
2	13 3/4" HTC J22	14-14-14 BD667	2,314 1109	73.5 15.1	101.5 50/75	50/60 23	00 60-54	12.7 45
3	13 3/4" REED Y11	J 16-16-15 C84993	2,562 248	21.5 11.5	123 50/65	50/60 25	00 90-85	12.8 40
4	13 3/4" HTC J22	16-16-16 RR#2	3,000 438	55 8.0	178 50/65	50/60 25	00 90-85	12.7 51
5	8 3/4" HTC ATJ	33 10-10-9 F53HA	6,377 3377	107 31.6	285 50	50/65 19	50 106-	water
6	8 3/4" HTC ATJ	44 10-10-10 RK207	7,882 1505	60.5 24.9	345.5 55	55 17	50 106-	water
7	8 3/4" HTC ATJ	55R 10-10-10 D86HH	9,733 1851	84.5 21.9	430 55	55 17	50 106-	9.0 38
8	8 3/4" HTC ATJ	44 12-13-B B47HW	10,500 767	68 11.3	498 55	55 19	00 106-	9.5 42
9	8 3/4" HTC ATJ	44 12-13-B BE177	11,503 1003	105 9.6	603 55	50/55 21	00 105-	10.9 42
10	8 3/4" HTC ATJ	11H 13-12-B F64HN	12,028 525	57.5 9.1	660.5 50/52	50 23	00 <b>9</b> 5-	12.7 39
11	8 3/4" REED HP5	1A 13-13-B K31973	12,309 281	32 8.8	692.5 50	50 21	00 100-	12.7 46
12	8 3/4" REED HP5	3A 14-14-B C83863	12,500 191	27 7.1	719.5 50	50 17	50 -100	13.0 47

		MUD		WATER					OIL/				DAILY	CUMULATIVE
DATE	DEPTH	WBIGHT	VIS.		Vq	<b>4</b> P	GBLS	SOLIDS	•	Hq	Cl	Ca	COST	COST
										•				1111111111
06-Aug-89	176	8.4	39	19.0	8	6	2/9	1	0/99.0	11.0		tr	<b>\$</b> 0	<b>\$</b> 0
07-Aug-89.		12.0	55	12.0		26	7/31	18	tr/82.0	9.0		120		\$3,176
08-Aug-89	1,398	12.3	59	13.0		29		19	0/81.0	9.0		240	\$9,220	\$12,396
09-Aug-89	1,850	12.1	45	16.0	25	10	8/51	19	0/81.0	9.5	•	400	\$7,512	\$19,908
10-Aug-89	2,076	12.8	42	15.0	22	13	3/44	20	0/81.0	10.5	•	200	\$8,855	\$28,763
11-Aug-89	2,314	12.7	45	16.0	20	21	-	20	0/80.0	9.5	•	180	\$1,553	\$30,316
12-Aug-89	2,471	12.8	40	14.0	15	12	3/51	21	0/80.0	10.0		80	\$6,716	\$37,032
12-Aug-89	6,411	No Rep		17.0	1 9	16	. 9/91	41	0/13.0	10.0	1,100	00	40,110	401,000
13-Aug-89	2,871	12.7	45	15.0	17	12	11/101	21	0/79.0	9.0	1,550	260	\$3,800	\$40,832
_		12.7		13.0	13		11/101	20	0/80.0	9.0	•	200		
15-Aug-89	3,000		40						0/80.0	9.0	•	220	\$6,250	\$47,082
16-Aug-89	3,000	12.8	45 26	13.0			14/61	20			•	80	\$5,770	\$52,852
17-Aug-89	3,000	8.3		N/C	wate				0/100 0/100	10.0 11.5		260	\$1,000	\$53,852
18-Aug-89	3,500	8.3	26	N/C	wate				-				\$111	\$53,963
19-Aug-89	4,031	8.3	26	N/C	wate				0/100	11.5		380	\$180	\$54,143
20-Aug-89	4,831	8.3	26	N/C	wate			1.0	0/100	11.5		400	\$68 ************************************	\$54,211
21-Aug-89	5,619	8.4	26	N/C	wate			1.0	0/99.0	11.5		420	\$700	\$54,911
22-Aug-89	6,240	8.4	26	N/C	wate			1.0	0/99.0	11.5	-		\$15,747	\$70,658
23-Aug-89	6,648	8.4	26	N/C	wate			1.0	0/99.0	11.5	•	280	\$600	\$71,258
24-Aug-89	7,031	8.4	26	N/C	wate			1.0	0/99.0	11.0		tr	\$140	\$71,398
25-Aug-89	7,538	8.4	26	N/C	wate			1.5	tr/98.0	11.5	9,600	0	\$700	\$72,098
26-Aug-89	7,948	8.5	26	N/C	wate			2.0	tr/98.0		12,200	0	\$940	\$73,038
27-Aug-89	8,514	8.5	26	N/C	wate			2.0	tr/98.0		12,400	0	\$1,700	\$74,738
28-Aug-89	9,037	8.5	26	N/C	wate		0.44	2.0	tr/98.0		13,800	0	\$1,740	\$76,478
29-Aug-89	9,646	9.0	37	20.0	7	7	3/14	4.0	2/94.0	11.5		0	\$2,080	\$78,558
30-Aug-89	9,763	9.4	39	19.0	9	9	3/38	5.0	3/92.0	11.5		0	\$2,655	\$81,213
31-Aug-89	10,000	9.5	40	17.0	12	8	3/46	5.0	2/93.0	11.5	5,600	, 0	\$250	\$81,463
01-Sep-89	10,359	9.5	48	17.0	8	15	13/58	8.0	2/90.0	11.5	6,200	tr	\$400	\$81,863
02-Sep-89	10,523	9.6	40	17.0	11	5	6/42	6.0	2/92.0		6,100	tr	\$5,800	\$87,663
03-Sep-89	10,777	9.9	45	17.0	14	5	7/49	10.0	2/88.0		6,200	40	\$880	\$88,543
04-Sep-89	11,077	10.3	42	16.0	11	11	9/52	13.0	3/84.0	11.5	6,200	40	\$3,774	\$92,317
05-Sep-89	11,293	10.7	42	16.0	13	9	7/48	15.0	3/82.0	11.0	6,800	40	\$7,104	\$99,421
06-Sep-89	11,493	11.1	43	13.0	16	9	4/41	16.0	9/75.0	11.2	7,100	80	\$4,170	\$103,591
07-Sep-89	11,542	11.7	44	16.0	23	16	7/44	16.0	16/68.0	11.0	7,100	80	\$9,291	\$112,882
08-Sep-89				14.0		10	4/40	22.0	8/70.0				\$20,420	\$133,302
		12.7		12.0		7	3/28	25.0	7/68.0				\$12,440	\$145,742
10-Sep-89		12.8	42	10.0	20	19	3/28	20.0	7/73.0				\$14,015	\$159,757
•	12,028	12.9	42	11.0	16	16	4/21	20.0	6/74.0				\$11,690	\$171,447
12-Sep-89		12.7	40	11.0	19	5	3/11	20.0	5/75.0		•		\$39,675	\$211,122
-	12,028	12.7	40	11.0	17	5	3/12	21.0	5/74.0				\$10,101	\$221,223
•	12,028	12.8	44	12.0	25	8	2/14	20.0	5/75.0		•		\$11,577	\$232,800
•	12,028	12.7		11.0	25	7	2/17	20.0	5/75.0				\$3,200	\$236,000
• •	12,028	12.7	46	10.0	26	7	3/11	19.0	5/76.0			80	\$1,400	\$237,400
•	12,028	12.8	44	12.0	20	10	3/32	16.0	6/76.0			360	\$2,100	\$239,500
-	12,028	12.9	44	12.0	20	6	3/16	20.0	5/75.0		7,600		\$18,500	\$258,000
•	12,028	12.8	41	12.0	18	6	2/	20.0	3/77.0				\$9,300	\$267,300
-	12,028	12.8	45	12.0	25	7	3/27	19.0	3/78.0			120	\$4,400	\$271,700
•	12,142	12.8	51	10.0		11	5/41	20.0	3/77.0		•	80	\$6,500	\$278,200
22-Sep-89	12,309	13.0	54	9.6	33	19	6/37	22.0	4/74.0	10.2	5,600	100	\$5,200	\$283,400

#### MUD RECORD FOR SHERMAN 2-12B2

		MUD		WATER					OIL/				DAILY	CUMULATIVE
DATE	DEPTH	WEIGHT	VIS.	LOSS	PV	<b>y</b> p	GRLS	SOLIDS	WATER	pН	Cl	Ca	COST	COST
********	******	******	****	*****	****	***	******	******	*******	*****	******	****	*******	********
23-Sep-89	12,428	13.0	52	9.4	26	11	3/42	19.0	3/78.0	10.5	5,900	100	\$1,400	\$284,800
24-Sep-89	12,500	13.0	45	9.8	21	7	3/41	19.0	3/77.0	10.5	6,300	160	\$1,900	\$286,700
25-Sep-89	12,500	13.0	43	9.6	20	5	2/13	21.0	2/76.0	10.0	5,900	160	\$4,000	\$292,700
26-Sep-89	12,500	13.0	46	9.6	21	7	3/28	21.0	2/76.0	10.0	5,700	120	\$5,800	\$298,500
27-Sep-89	12,500	13.0	44	9.4	23	6	3/11	21.0	2/77.0	9.5	5,300	120	\$600	\$299,100
28-Sep-89	12,500	13.0	45	7.4	23	5	3/8	19.0	2/79.0	9.4	5,100	160	\$13,400	\$312,500
29-Sep-89	12,500	13.0	45	6.4	26	12	6/12	19.0	3/78.0	10.0	5,000	160	\$0	\$312,500

·		10 11	IFUF	IMM	ION	HEC	UIRE	ME	NTS				
Pennzoil Company #2-12B2 Sherman 12-T2S-R2W Duchesne Co., Utah  LETTERS Pennzoil Company P.O. Box 2967 Houston, TX 77252-2967  Pennzoil Company Pennzoil Company 700 Milam Houston, TX 77002	AFE & Well Prognosis	State Permits, Reports, Survey, etc.	Daily Drilling Reports - Phone	Daily Drilling Reports - Mail	Electric Logs - Field Prints	Electric Logs - Final Prints	Electric Logs - Film Prints	Electric Logs - Tape LIS Format	Log Telecopies as needed	Notice prior to & results of DTS's, Cores, Logging, Plugging, etc.	Reports - DST, Geological, Completion, Fluid Analysis, etc.	Daily Mud Log & Final Mud Log	Cutting of samples
Pennzoil Company P.O. Box 2967 - 10th Floor Houston, TX 77252-2967 Attn: Gary L. Kornegay Office: (713) 546-8935	1	2	1	1	2	2	1	1	1	1	2	162	1
Pennzoil Company P.O. Box 290 Neola, UT 84053 Attn: Will Luna	2	1	0	0	1	0	0	0	0	1	1	D&1	0
Proven Properties, Inc. 700 Milam, 8th Floor Houston, TX 77002 Attn: Rick Carter	1	1	0	1	1	2	0	1	1	2	2	1&2	0
Totals	4	4	1	2	4	4	1	2	2	4	5	2&5	1
								-					

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

DIVISI	ON OF OIL, GAS, AND MI	NING	5. LEASE DESIGNATION AND SERIAL NO.
	ICES AND REPORTS ( sals to drill or to deepen or plug   ATION FOR PERMIT—" for such p		6. IF INDIAN, ALLOTTER OR TRIBE NAME
OIL GAS WELL OTHER			7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR	The same of the sa	PERTINAL TO	8. FARM OR LEASE NAME
PENNZOIL Exploration &	Production Company	WEAV PIL	Sherman
D.O. D 000 N I	Utah 84053		9. WELL NO. 2-12B2
4. LOCATION OF WELL (Report location of See also space 17 below.)  At surface	learly and in accordance with any	State requirements.	10. PIELD AND POOL, OR WILDCAT
		DIVISION OF	Bluebell Wasatch
940' FSL & 1680' FEL	01	L. GAS & MINING	11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
			SWSE Section 12 T2S D2W
14. API NUMBER	15. BLEVATIONS (Show whether of	, RT, GR, etc.)	Section 12. T2S. R2W
43-013-31238	5196.5 GL (ungrade	ed)	Duchesne Utah
16. Check Ap	propriate Box To Indicate N	lature of Notice, Report, o	r Other Data
NOTICE OF INTENT			ENQUENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	AULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	BANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
	HANGE PLANS	(NOTE: Report rest	Operations Report XX
(Other)  17. DESCRIBE PROPOSED OR COMPLETED OPER	RATIONS (Clearly state all pertinent	Completion or Reco	mpletion Report and Log form.) tes, including estimated date of starting any tical depths for all markers and zones perti-
-Spudded @ 12 noon, 7/22, -Set & cmted 16",55# coneSpudded w/Forwest Inc., -Drilled 13 3/4" Hole to All flows contained w/ -Ran 71 jts. (3004.88') w/ 1920 sks w/ no fall -NU & test BOP stack to formation to 1440 psi w -Press test wellbore @ 3: @ 4515' for 11.5# EMW, ( -Drilled 8 3/4" hole to to 12,500' TD w/ 13#, 49 -Logged w/ DLL/GR; CNL-F1 -Ran 309 jts (12,504.98') @ 12,499'Cmted in three (3) stage- ND stack; NU wellhead;	ductor pipe to 125' Rig 6 @ 1:30 p.m., 3000' w/water flows fresh water mud, & n 10 3/4" csg., 51#, 4 back. 5000 psi, 10 3/4" cs / 8.3# mud for 17.5# 515' for 16.6# EMW 8 @ 5015' for 8.6# EMW 12,028'; stuck pipe; 5 vis, 9.8 WL mud. DC; BHC-Sonic; 4-arm ) 7" csg: 29#/26#/23	below GL. 8/6/89. s @ 861', 1578', 18 resumed drilling. 45.5#;N-80/K-55, ST sg to 3500 psi & cs # EMW. k leak off, @ 4015' N, @ 9733' for 9.75 recovered fish; r n caliper; FMS dipm 3#, S-95 GR, Butt/I	CC & cmted to surface sg seat & 15'of for 15.6# EMW, s# EMW. resumed drilling meter. T&C. Set & cmted
-FINAL DRILLING REPORT  18. I hereby certify that the foregoing is	true and correct	Fina Ning Superintende	10/10/00
signed Wilburn L. Luna	TITLE Dri	Tling Superintende	nt DATE 10/12/89
(This space for Federal or State office APPROVED BY CONDITIONS OF APPROVAL, IF A	TITLE		DATE

## PENNZOIL EXPLORATION AND PRODUCTION COMPANY

P. O. BOX 290 • NEOLA, UTAH 84053 • (801) 353 - 4397

October 12, 1989



State of Utah, Dept. of Natural Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, UT. 84180-1203

DIVISION OF OIL, GAS & MINING

Re: Monthly Operations Report for Drilling Sherman No. 2-12B2 SWSE Section 12, T2S R2W Duchesne County, Utah API No. 43-013-31238

Gentlemen:

Enclosed, please find the original and three (3) copies of your Form 5 "SUNDRY NOTICES & REPORTS ON WELLS" for captioned well.

Should there be any questions, please contact the undersigned at (801) 353-4397.

Sincerely,

Pennzoil Exploration & Production Company

Wilburn L. Luna

Drilling Superintendent

Enclosure

WLL/jm

OIL AND GAS
DBN BUF
JRB GLH
DTS SLS

MICROFILM
FILE

PETROLEUM CONSULTANTS 888 SOUTH LIPAN, SUITE C DENVER, COLORADO 80223 (303) 936-0161

October 27,1989

DECT 30 1989

To:

Utah Oil, Gas, & Mining

355 West North Temple

Suite 350

Salt Lake City, UT 84180

OIL. GAS & MINING

From: Marjorie A. Pirece

EDWARD ENGINEERING 888 South Lipan Denver, CO 80223

RE:

Transmittal of Geological Reports

Pennzoil Company

Swykes 2-21A2 & Sherman 2-12B2

Bluebell-Altamont Field

Duchesne Co., Utah

I have enclosed a copy of the geological reports for two of the wells just recently drilled by Pennzoil in Duchesne Co., Utah; the Swykes 2-21A2, located in Section 21, T1S, R2W, and the Sherman 2-12B2, located in Section 12, T2S, R2W. If you have any questions please do not hesitate to contact me at one of these phone numbers:

303-936-3423 Denver Office 303-466-6277 Home

## CONFIDENTIAL

Sincerely, Mayoùe A. Piece Marjorie A. Pierce

## DIVISION OF OIL, GAS AND MINING L AND GAS INSPECTION RECORD

( Sut

OPERATOR	Pe	unzoil		LEASE	4ee	
ELL NO.	Shern	nau 2.17	B2	API	43-013	r 31238
SEC. LZ T.	<u>ZS</u> R.	ZW CONTRACTO	R For	west 6		· · · · · · · · · · · · · · · · · · ·
COUNTY D	uchesno	FIELD	Bluebell			<del> </del>
ORILLING/COMPL APD SAFETY CPERA	γ .	VER:  WELL SIGN POLL. CONT OTHER		HOUSEKEEPIN SURFACE USE	-	BCPE PITS
SHUT-IN WELL SOTHER	/ TA:	HOUSEKEEPI	ING	EQUIPMENT*		SAFETY
ABANDONED:  MARKET	₹	HOUSEKEEPI	NG	REHAB.		OTHER
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INSPECTOR:	GARY	(TARNETC			DATE 4	9/21/89

# DIVISION OF OIL, GAS AND MINING L AND GAS INSPECTION RECORD

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COUNTY Duchesu	e FIELD Blu	ebell	
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SHUT-IN / TA WELL SIGN OTHER	: HOUSEKEEPING	EQUIPMENT*	SAFETY
ABANDONED: MARKER	HOUSEKEEPING	REHAB.	OTHER
FRODUCTION: WELL SIGN METERING* SECURITY	HOUSEKEEPING POLL. CONTROL SAFETY	EQUIPMENT* PITS OTHER	FACILITIES*
AS DISPOSITION: VENTED/FLARED	SOLD	LEASE USE	
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*FACILITIES INSPECTED:	location, rig,	BOPE, pits.	
REMARKS: Drilling Flare in Flar	ahead @ 95.	48' - oil in p	aif and small
ACTION:			
INSPECTOR: GARL	GARNER		DATE 8/20/89

# DIVISION OF OIL, GAS AND MINING AND GAS INSPECTION RECORD

and

PERATOR	PRAMZE	il Explorat	-iou	LEASE	4ee	
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FRODUCTION: WELL SIGN METERING* SECURITY		HOUSEKEEPING POLL. CONTRO SAFETY		EQUIPMENT* PITS OTHER		FACILITIE DISPOSAL
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) INSPECTOR: GA	eu Garnet	2			DATE _	8/14/89

# STATE OF TAH (See other is on rever) DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPL (See other instructions on reverse side)

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At total depth										Sect	ion 12	, 125	, R2W
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# INSTRUCTIONS

or both, pursuant to explicable Federal and/or State laws and regulations. Any excessory special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and therefore hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments General: This form is designed for submitting a complete and correct well completion report and by on all types of lands and leases to either a Federal agency or a State agency,

Her. 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hers. 22 and 24: If this well is completed for separate production from more than one than one than one than the interval of this well is completed for separate production from more than one than sa. Submit a separate report (page) on this form, adequately interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval interval.

For each additional interval to be separately produced, showing the additional data pertinent to such interval.

Her. 29: "Sacks Cement". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Her. 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.) should be listed on this form, see item 35. or Federal office for specific instructions.

7450 8742 9890 12390	FORMATION TOP BOTTOM	TOP	ROTTON	DESCRIPT	DESCRIPTION, CONTENTS, STC.		101	
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#### SHERMAN #2-12B2 - DRILLING REPORT

EXP - Sherman #2-12B2 - Utah - Duchesne - Bluebell/Altamont - Pennzoil - PZL W.I. 50,0000% - PD 12,000' - Section 12, T2S, R2W - AFE #07096102 - AFE Cost \$1,647,000

08/01/89: G.L. @ 5210.6'

KDB @ 5237.9' API #43-013-31238

This well was spudded @ 12:00 pm (noon) on 07/22/89 w/rathole machine. 16" conductor pipe is set & cmt'd @ 124' below GL. PBTD is 120' +/- below GL. KDB to GL is 27.50'

on Forwest Rig #6.

08/02/89: 151.50' w/16" conductor pipe set & cmt @ that depth. PBTD

147.50' +/-. Finished work on loc & road. Started MIRT.

08/03/89: 151.50' w/16" conductor pipe set & cmt @ that depth. PBTD

147.50' +/-. Finished construction work. Finished MIRT &

started RURT.

08/04-05/89: 151.50' +/-. Cont w/RURT.

08/06/89: CTD \$70,704

861', day 1, SI for mud-up to control a 2" wtr flow. Made 709' in 13.5 hrs. Spudded @ 1:30 pm on 08/06/89. Finish RURT. Tag up @ 144' on cmt, drill out & ahead, encountered a 2" wtr flow @ 861' & now SI for mud-up. Mud 1/2° @ 246' &

1/4° @ 642'.

08/07/89: CTD \$84,058

1206', day 2, RTCB, made 345' in 14.5 hrs, 12.3# mud wt, 54

visc, 12 wl, 1° @ 1042', 1-3/4° @ 1190'.

08/08/89: CTD \$107,026

1670', day 3, drilling, made 464' in 21 hrs, 12.2# mud wt,

59 visc, 13 wl, 1-1/4° @ 1259', 1° @ 1320'.

08/09/89: CTD \$130,246

2024', day 4, drilling, made 354' in 22.5 hrs, 12.8# mud wt,

50 visc, 16 wl, survey 1/2° @ 1872'.

08/10/89: CTD \$146,014

2253', day 5, drilling, made 229' in 24 hrs, 12.8# mud wt,

43 visc, 15 wl.

08/11/89: CTD \$156,236

2460', day 6, drilling, made 207' in 17.5 hrs, 12.8# mud wt,

40 visc, 16 wl. Survey 1/2° @ 2314'.

08/12/89: CTD \$167,420

2605', day 7, drilling, made 145' in 17.5 hrs, 12.8# mud wt,

40 visc, 14 wl. Survey 1/4° @ 2562'.

08/13/89:

CTD \$177,093

2812', day 8, drilling, made 207' in 23.5 hrs, 12.8# mud wt,

45 visc, 14 wl.

08/14/89:

CTD \$187,237

2981', day 9, drilling, made 169' in 23.5 hrs, 12.8# mud wt,

46 visc, 15 wl.

08/15/89:

CTD \$197,943

3000', day 10, drilling, made 19' in 2.5 hrs, 12.8# mud wt, 45 visc, 15 wl. Made 2 short trips, circ & cond hole f/csg. POOH. Ran 71 jts (3004.88') 10-3/4" 51# & 45.5#

K-55 N-80 STC to 3000'.

08/16/89:

CTD \$297,990

3000', day 11, NU & test BOP's, circ csg f/cmt, cmt surf csg, WOC, cut csg & weld on wellhead, NU BOP's. 8.3 f wtr. Cmt w/1185 sxs 65/35 pozhite w/4% gel 1/4# cello seal, 1/8# Quick Seal. 735 sxs Class "G" w/2% CaCl<sub>2</sub>, 1/4# Cello Seal. Displace w/8.3 wtr, bump plug @ 9:45 pm 08/16/89

w/1700 psi, circ 296 sxs cmt.

08/17/89:

CTD \$309,104

3383', day 12, made 383' in 10-1/2 hrs. Finish NU BOP's & test 7" csg to 3500 psi. Drlg out cmt. Run leak off test @

3015' f/17.5# EMN. Drilling @ 3383'. 8.3# F wtr.

08/18/89:

CTD \$326,073

4015', day 13, drilling, made 629' in 18.5 hrs. Ran leak-off test @ 3515' leak off for an EMW of 16.64# & start

leak-off test @ 4015'. F wtr.

08/19/89:

CTD \$343,043

4587', day, 14, drilling, made 572' in 17.5 hrs. Finish leak-off test @ 4015' for an EMW of 15.63# & ran leak-off

test @ 4515' for an EMW of 11.52#. F wtr.

08/20/89:

CTD \$359,135

5206', day 15, drilling, made 619' in 20 hrs. Ran leak-off

test @ 5015' for an EMW of 8.56#. F wtr.

08/21/89:

CTD \$377,146

5871', day 16, drilling, made 665' in 23.5 hrs. F wtr, 1° @

5385', BG 10 units.

08/22/89: CTD \$406,535

6377', day, 17, RTCB, made 506' in 16.5 hrs. F wtr, 1-3/4°

@ 5881', 2-1/2° @ 6377', BG 8 units w/no flare.

08/23/89: CTD \$419,326

6830', day 18, drilling, made 453' in 20.5 hrs. F wtr,

2-1/8° @ 6437' & 2° @ 6657'. BG 17 units w/no flare.

08/24/89: CTD \$436,886

7400', day 19, drilling, made 570' in 23 hrs. F wtr, 2° @

6952' & 1-3/4° @ 7244'. BG 45 units w/no flare.

08/25/89: CTD \$438,886

7865', day 20, washing to btm, made 465' in 17 hrs (trip for

bit). Survey 1-3/4° @ 7244', 8.5# mud wt, f wtr, BGU 65

units w/no flare.

08/26/89: CTD \$453,732

8391', day 21, drilling, made 526' in 23.5 hrs. 8.5# mud

wt, f wtr, BGU 73 units w/no flare, surveys 2° @ 7743' & 2°

@ 7865'.

08/27/89: CTD \$469,855

8939', day 22, drilling, made 548' in 23 hrs. 8.5# mud wt,

f wtr, BGU 41 units w/no flare, survey 2° @ 8387'.

08/28/89: CTD \$488,758

9490', day 23, drilling, made 551' in 22 hrs. F wtr, survey

2° @ 9394', BGU 820 units w/15' flare.

08/29/89: CTD \$504,861

9733', day 24, RTCB, made 243' in 16 hrs. Survey 2° @

9733', BGU 400 units w/3-4' flare, 9.4/9.3# mud wt, 40

visc, 20 wl.

08/30/89: CTD \$514,466

9996', day 25, drilling, made 263' in 23 hrs. 9.5/9.0# mud

wt. 39 vis. 19 wl, BG 550 units w/1-3' flare.

08/31/89: CTD \$521,942

10,242', day 26, drilling, made 246' in 24 hrs. 9.5/9.1#

mud wt, 44 vis, 17 wl, BG 1100 units w/1-3' flare.

09/01/89: CTD \$529,950

10,500', day 27, RTCB, check BOP's & etc, made 258' in 21

hrs. 9.5/9.3# mud wt, 42 vis, 17 wl, survey 1° @ 10,222',

BG 1400 units w/no flare.

09/02/89: CTD \$546,386

10,698', day 28, drilling, made 198' in 16.5 hrs, 9.9# mud

wt, 40 vis, 17 wl, survey 1° @ 10,500', BG 2900 units w/no

flare.

09/03/89:

CTD \$553,611

10,934', day 29, drilling, made 236' in 24 hrs, 10.2/10.0#

mud wt, 45 vis, 17 wl, BG 2700 units w/no flare.

09/04/89:

CTD \$563,730

11,150', day 30, drilling, made 216' in 23.5 hrs, 10.3/9.9#

mud wt, 42 vis, 16 wl, BG 3300 units w/3-4' flare.

09/05/89:

CTD \$577,549

11,342', day 31, drilling, made 192' in 23.5 hrs, 10.7/10.1#

mud wt, 42 vis, 16 wl, BG 4400 units w/10-12' flare.

09/06/89:

CTD \$594,173

11,503', day 32, RTCB, made 161' in 17.5 hrs, 11.3/10# mud

wt, 42 vis, 13 wl, BG 7400 units w/10-20' flare.

09/07/89:

CTD \$610,711

11,620', day 33, drilling, made 117' in 14.5 hrs, 12.0/10.4#

mud wt, 44 vis, 10 wl, survey 1-1/4° @ 11,503', BG 4700

units w/10' flare.

09/08/89:

CTD \$641,007

11,877', day 34, drilling, made 257' in 24 hrs, 12.9/11.5#

mud wt, 40 vis, 14 wl, BG 7200 units w/6' flare.

09/09/89:

CTD \$660,302

12,028', day 35, tripping - started POOH, well started

flowing now on TIH, made 151' in 19 hrs, 12.7/11.7# mud wt,

39 vis, 12 wl, BG 4500' units.

09/10/89:

CTD \$752,703

12,028', day 36, circ thru fish @ 11,244' (finish in hole to 11,931', circ btms up & lost 140 bbls mud, found drill string stuck - circ - run free - pt btm 2 collers stuck -

string stuck - circ - run free - pt btm 2 collars stuck - circ & work drill string - pumped soft line & found hole @ 10,272' +/- in drill pipe, ran free pt - partial stuck @ 11,284' - free @ 11,248' - back off @ 11,244' & start circ

btms up), 12.8/12.5# mud wt, 42 vis, 10 wl, BG 4200 units

w/small flare.

09/11/89:

CTD \$785,486

12,028', day 37, jarring & bumping on fish (fish is 684' long, @ report time the bit was @ 11,806'. 24 hr summary of operations: finished circ @ 11,244' - top of fish. POOH & did not find a hole in the drill pipe @ 10,272' +/-. PU fishing tools - bumper sub, jars & etc. TIH & screw into fish. Jarred on fish & spotted pipe jax & diesel around fish. Jarred & bumped fish free. Pulled 4 jts & fish became stuck while circ & working fish.) 12.8/12.5# mud wt.

42 vis, 11 wl, BG 5000 units w/3-5' flare.

09/12/89:

CTD \$837,046

12,028', day 38, jarring & bumping on fish (fish is 684' long, btmed @ 11,806' & top @ 11,122', 24 hr summary: cont working fish & circ out pipe-lax, circ pipe-lax down hole & spot around fish, cont working on fish-no movement, circ out pipe-lax, mix new batch, 100 bbls of pipe-lax & circ around fish, followed pipe-lax w/mud containing 10% LCM & now drill string is plugged, could not get thru drill pipe for free point of fish, free point tools could not get below 10,762' w/l, well flowing a small stream on back side & still jarring on fish) 12.8/12.4# mud wt, 40 vis, 11 wl.

09/13/89:

CTD \$856,201

12,028', day 39, @ 64' washing mud & firm paraffin out of drill pipe w/1" coiled tbg (24 hr summary: 12 hrs jarring & bumping on fish w/no movement, drill pipe plugged & could not circ, 12 hrs RU Nowsco & started jetting drill mud w/LCM & paraffin out of drill pipe w/hot diesel & hot wtr now @ 64'), 12.8# mud wt, 44 vis.

09/14/89:

CTD \$875,282

12,028', day 40, washing out 5" DP w/1" coil tbg (24 hr summary: had difficulty washing from 64' down, now @ 320' w/jetting tool on 1" coil tbg, pumping 1/2 BPM @ 4000 psi jetting & washing mud from drill pipe @ 10' +/- per min). 12.8# mud wt, 44 vis, 12 wl.

09/15/89:

CTD \$893,663

12,028', day 41, cleaning out 5" DP w/coiled tbg (24 hr summary: cleaned out drill string to 11,042' & still jetting). 12.8# mud wt, 46 vis, 10 wl.

09/16/89:

CTD \$903,278

12,028', day 42, on TIH w/string shot for back-off (24 hr summary: washed to 11,716' & could not jet deeper, POOH w/coil tbg, jarred & bumped on fish - no movement, partially stuck @ 11,328' - free @ 11,296', dress string shot for back off & a TIH). 12.8# mud wt, 45 vis, 11 wl.

09/17/89:

CTD \$919,128

12,028', day 43, testing BOP's (24 hr summary: made back-off @ 11,278', top of fish not @ 11,278' & btm @ 11,806', circ mud around & POOH, now checking on BOP stack). 12.8# mud wt, 44 vis, 12 wl.

09/18/89:

CTD \$946,447

12,028', day 44, on TIH to wipe out wellbore to top of fish (24 hr summary: finish BOP testing, check DC & fishing tools, PU fishing tools & TIH, did not find top of fish @ 11,278', fish fell down hole & fish top may be @ 11,412', POOH w/fishing tools, PU bit & start TIH to wash & wipe out wellbore to top of fish). 12.8/12.4# mud wt, 44 vis, 12 wl.

09/19/89: CTD \$995,897

12,028', day 45, on POOH w/fish (24 hr summary: finish TIH w/bit & wash to top of fish to 11,418', spot LCM on btm & POOH, PU fishing tools & TIH, engage fish & start out of hole w/same). 12.8/12.6# mud wt, 41 vis, 12 wl, BG none.

09/20/89: CTD \$1,019,593

12,028', day 46, @ 11,855' washing & reaming to btm (24 hr summary: finish POOH w/fish, 100% recovery, change DC, PU new bit & TIH, start washing & reaming to btm @ 11,394', now @ 11,855') 12.8# mud wt, 45 vis, 12 wl, BG 4700 units w/no flare.

09/21/89: CTD \$1,032,628

12,237', day 47, drilling, made 209' in 21.5 hrs. 12.8/11.1# mud wt, 51 vis, 10 wl, BG 7520 units w/no flare.

09/22/89: CTD \$1,048,583

12,315', day 48, drilling, made 78' in 11.5 hrs. 13.0/12.5# mud wt, 54 vis, 9.6 wl, survey 1° @ 12,309', BG 8100 units w/no flare.

09/23/89: CTD \$1,056,448

12,485', day 49, drilling, made 170' in 23.5 hrs, 13.0/11.9# mud wt, 52 vis, 9.4 wl, BG 3500 units w/no flare.

09/24/89: CTD \$1,064,813

12,500', day 50, Schlumberger running DLL-GR log (finished drilling 12,500', cond mud, made short trip & POOH to log, RU & now running DLL-GR w/SFL), 13.0/12.4# mud wt, 45 vis 9.8 wl, BG 2400 units w/no flare.

09/25/89: CTD \$1,075,722

12,500', day 51, on POOH to run sonic log (finish running DLL-GR log, run CNL-FDC log. TIH & cond wellbore & mud, now on POOH), 13.0/12.4# mud wt, 44 vis, 9.6 wl, BG none while circ.

09/26/89: CTD \$1,087,787

12,500', day 52, circ & cond mud & wellbore to cont logging (24 hr summary: finished POOH w/SLM & made no depth correction. RU logger & hit bridge @ 7855' w/sonic log. TIH w/bit & wiped out bridge. POOH. RU loggers & hit bridge @ 8280' w/sonic log. TIH w/bit to 12,500' & started circ), 13.0/12.2# mud wt, 46 vis, 9.6 wl, BG none - small flare on btms up.

09/27/89: CTD \$1,094,652

12,500', day 53, on TIH to circ for final log run (24 hr summary: finished cond mud for logging. POOH. RU Schlumberger, run sonic & 4-Arm caliper log, now on TIH), 13.0# mud wt, 44 vis, 9.4 wl, BG none.

09/28/89:

CTD \$1,160,959

12,500', day 54, on TIH to circ for 7" csg (last 24 hrs: finished TIH to circ for logs. Circ, POOH. RU & run FUS dep meter. Now on TIH), 13.0/12.7# mud wt, 45 vis, 7.4 wl, BG no gas.

09/29/89:

CTD \$1,167,224

12,500', day 55, on RU to run 7" csg (24 hr summary: finished TIH & break circ every 2000'. Circ for 7" csg. LD drill string & started RU to run 7" csg), 13.0/12.7# mud wt, 45 vis, 6.4 wl.

09/30/89:

CTD \$1,179,749

12,500', day 56, @ 4954' attempting to regain circ (24 hr summary: finished RU to run csg. Ran 7" to 3024' & circ out & @ 3066' circ out due to mud back flow. Ran 7" to 3714' & lost returns. Did not regain circ. Ran 7" to 4954' w/out returns & could not break circ. The fm was taking mud @ 100-250 psi back press & circ could not be est.), 13.0/12.8# mud wt, 47 vis, 6.2 wl.

10/01/89:

CTD \$1,198,324

12,500', day 57, @ 4534' w/full returns using 12.8# mud wt (24 hr summary: cont attempting to regain circ. Pumped 160° mud down 7" csg w/no luck. Pulled 7" csg to 4534' & got back-flow thru 7" csg. Quit pulling csg, after several hrs gained partial circ. At times had 100% returns then 90% returns. @ 6 am had full returns. Total mud loss to date 3639 bbls), 12.8# mud wt, 45 vis, 5.8 wl.

10/02/89:

CTD \$1,206,991

12,500', day 58, @ 6543' w/7" csg & circ to cond mud (24 hr summary: Ran 7" csg, washed out bridges & circ. Lost 493 bbls mud. Total fluid loss 4132 bbls), 12.8# mud wt, 41 vis, 10.2 wl.

10/03/89:

CTD \$1,248,296

12,500', day 59, @ 8631' washing 7" csg to btm jt by jt (24 hr summary: Finished circ @ 6543' & circ & washed 7" csg to 8631') 12.8# mud wt, 43 vis, 9 wl.

10/04/89:

CTD \$1,277,681

12,500', day 60, WO cmt for temperature & tracer logs (24 hr summary: Finished running 7" csg to 12,500' by circ ea jt down. Circ & cond wellbore for 1st stage cmt. Mixed & pumped 1st stage cmt 725 sxs Class "G". Dropped bomb & opened btm DV tool. Could not break circ, pumped into fm some place down hole. WOC. CSG: ran 309 jts 12,504.98', 7", 23-26-29#, S-95, LT&C & Butt csg set & cmt'd @ 12,499'), 12.9# mud wt, 45 vis, 7.2 wl.

10/05/89:

CTD \$1,547,583

12,500', day 61, displacing 12.9# mud w/f wtr & preparing for 3rd stage cmt (24 hr summary: WOC. Ran temp & tracer survey. 1st stage cmt @ 9688', btm DV tool. Tracer survey showed lost zone @ 8770' - top of Douglas Creek [H]. Pumped 2nd stage cmt - 270 sxs w/4 IR-192 tracers. Ran tracer log - top tracer in cmt @ 8500' +/-. Open top DV tool & started displacing 12.9# mud w/f wtr.) F wtr.

10/06/89:

CTD \$1,648,996

12,500' TD, day 62, on RDRT (24 hr summary: WOC & wait on 3rd stage cmt. Dowell mixed & pumped 3rd stage cmt. Lead slurry 520 sxs Hi-lift w/tail-in 835 sxs Class "G", 18% salt, 0.6 gal/sx salt bond, 0.05 gal/sx M45. Cmt circ'd. ND BOP's & set csg slips w/248,000#. Install tbg spool. Total mud loss reported on this well 4957 bbls. Released rig @ 8:00 pm 10/06/89.) fm wtr from R-pit to btm DV & 12.9# mud wt to float collar.

10/07/89:

CTD \$1,648.996

12,500' TD, day 63, (FC @ 12,406', btm DV @ 9684', top DV @ 6776'). RDRT.

10/08/89:

CTD \$1,648.996

12,500' TD, day 64, (FC @ 12,406', btm DV @ 9684', top DV @

6776'). RDRT.

10/09/89:

CTD \$1,648,996

12,500' TD, day 65, PBTD @ 6776' top DV, btm DV @ 9684' & FC

@ 12,406'. Finished RDRT & started MORT.

10/10/89:

CTD \$1,648,996

12,500' TD, day 66, finished MORT & started location clean

up & pad for workover rig.

10/11/89:

CTD \$1,648,996

12,500' TD, day 67, (PBTD 6776' on top DV), cleaning up

location & drying out pad for workover rig.

#### PRODUCTION INTERMEDIATE CASING DETAILS

Ran 309 jts, (12,504.98'), 7" OD 29#, 26#, 23# S-95 Gr LTC/Buttress conn. Set & cmt'd @ 12,499', KB csg string wt in 12.9#/gal, mud 250,537# & air 312,041#.

Centralizers @: Ran 1 per jt @ the collar for 185 centrilizers, total of 185 centrilizers.

Scratchers @: Ran 1 every other jt in the middle of the jt for the 185 jts in hole for total of 69 scratches.

10/11/89: continued

from bottom to top Well Depth 12,500' Set off bottom 1'

JTS	O.D.	WT.	GR.	CONN.	LENGTH	TOP @
1	Honco		Guide	Shoe	. 80	12,498.20
2	7"	29#	S-95	LTC	89.33	12,408.87
1	Honco	Full Open	Float	Collar	2.02	12,406.87
50	7"	29#	S-95	LTC	2208.94	10,197.91
12	7"	26#	S-95	LTC	510.14	9,687.77
1	Honco		DV To	ol	3.05	9,684.72
62	7"	26#	S-95	LTC	2592.36	7,092.86
8	7"	23#	S-95	LTC	313.05	6,779.81
1	Honco		DV To	ol	3.05	6,776.26
132	7"	23#	S-95	LTC	5146.43	1,629.03
1	7"	23#	S-95	LTC PW	42.36	1,586.67
				Butt Box		
42	7"	23#	S-95	Buttress	1593.45	

10/12/89: CTD \$1,648,996

12,500' TD, day 68, (PBTD 6776' on top DV), finished location clean-up, leveled workover unit pad -letting it dry out before putting on gravel pad.

10/13/89: CTD \$1,648,996

12,500' TD, day 69-71, (PBTD 6776' on top DV), will spread

gravel for workover unit on 10/16/89. SDFWE.

10/16/89: CTD \$1,670,000

12,500' TD, day 72, (PBTD 6776' on top DV), finished w/pad

for workover rig. FINAL DRILLING REPORT.

10/17/89: CTD \$1,670,000

Waiting on completion.

10/19/89: CTD \$1,802,356

MIRU completion rig. NU BOP. Spot equipment.

10/20/89: CTD \$1,804,806

PU & RIH w/6" bit, 4 4-9/16" DC's & 185 jts 2-7/" 6.5# N-80

8rd tbg. SDFWE.

10/24/89: CTD \$1,809,247

Circ drilling mud from below 2nd DV tool. Tagged float collar @ 12,406'. Drilled out float collar in 1-1/2 hrs. Fell 3'. Drill on cmt to 12,410'. Bit plugged off. Circ

clean. SDFN.

10/25/89:

CTD \$1,811,697

Drill hard cmt to PBTD 12,481'. Circ hole clean w/2% KCl POOH w/399 jts 2-7/8" N-80 8rd tbg, DC's & 6" bit. wtr.

SDFN.

10/26/89:

CTD \$1,827,286

Logging CBL-VDL-GR-CCL-CET under 2000 psi RU Schlumberger.

on csg. RD Schlumberger. SDFN.

10/29/89:

CTD \$1,827,286

SDFWE. Waiting on perfs.

10/30/89:

CTD \$1,838,042

Shut in. Waiting on perfs.

11/04/89:

CTD \$1,839,492

Haul & unload 327 jts 3-1/2" 10.3# 10rd tbg. SDFWE.

11/06/89:

CTD \$1,840,758

Perforate. RU Halliburton Logging Service to perf Wasatch 11,505-12,035' (17 intervals, 147', 147 holes) w/4-1/8" HSC csg guns 1 spf. Made 5 runs; 4 runs misfired. Shot only 5

intervals. SI to reload guns.

11/07/89:

CTD \$1,848,169

Finished perf'ing Wasatch fm w/4-1/8" HSC csg guns 1 spf on

120° phasing in following intervals:

11,505-509' (5')

11,874-880' (7') 11,904-911' (8')

11,512-518' (7') 11,536-545' (10')

11,928-932' (5')

11,570-574' (5')

11,939-942' ( 4')

11,582-588' (7') 11,602-615' (14') 11,950-982' (33') 12,006-010' (5')

11,636-644' (9')

12,016-020' (5')

11,676-682' (7')

12,032-035' (4')

11,823-834' (12')

TOTAL: 17 intervals, 147 holes, 147'

Plotted perfs on Schlumberger DIL of 09/24/89. Correlated to Schlumberger CBL of 10/26/89. RD Halliburton Logging. ERU hydrotester. RIH w/Baker Retrievamatic pkr Service. for 7" 29# csg on 3 jts 3-1/2" 10.3# tbg. Press test to

9500 psi. SI due to high wind.

11/08/89:

CTD \$1,851,104

Hydrotest in hole in singles to 9500 13 hr SITP 100 psi. psi w/Baker 7" Retrievamatic pkr & 100 jts 3-1/2" 10.3# 10rd

tbg. SDFN.

11/09/89:

CTD \$1,854,339

Cont PU & hydrotest in hole w/3-1/2" 10.3# 10rd tbg. EOT @

7900'. SDFN.

11/10/89:

CTD \$1,856,836

Cont PU & hydrotest in hole w/3-1/2" 10.3# N-80 tbg. Pkr would not go past 9685'. POOH w/3-1/2" tbg & pkr. RIH w/6-1/8" tapered mill on 120 jts 2-7/8" tbg. SDFWE.

11/13/89:

CTD \$1,858,607

12 hr SITP 450 psi. Cont RIH w/6-1/8" tapered mill on 2-7/8" tbg. Reamed thru DV tool @ 6775' in 15 mins. Reamed thru DV tool @ 9686' in 1 hr. Rev circ clean. POOH w/2-7/8" tbg & 6-1/8" tapered mill. SDFN.

11/14/89:

CTD \$1,859,627

Hydrotest in hole to 9500 psi w/Baker Retrievamatic pkr & 80 jts 3-1/2" 10.3# 10rd tbg. SI for wind gusting 50 mph.

11/15/89:

CTD \$1,863,347

Finish hydrotesting in hole w/3-1/2" 10.3# N-80 10rd tbg to EOT @ +/- 11,100'. SDFN.

11/16/89:

CTD \$1,866,098

Set pkr @ 11,276' in 50,000# comp. Press test csg & pkr to

2500 psi, OK. SDFN.

11/17/89:

CTD \$1,866,098

SDFWE. WO frac job.

11/20/89:

CTD \$1,877,771

RU Western Co to acidize Wasatch perfs 11,505-12,035' w/7500 gals 15% HCl w/standard additives & 400 1.3 SG ball sealers for diversion. Flushed w/147 bbls 2% KCl wtr. Packer @ 11,276' of 3-1/2" 10.3# tbg. Caught pressure 15 bbls gone. Dropped 100 ball slug w/1000 gal acid gone & 100 ball slugs every 1000 gals until 5000 gals acid gone. Saw distinct breaks when balls on fm. Avg rate & press 8 BPM @ 5000 psi, max rate & press 12 BPM @ 6000 psi. Well went on vacuum immediately. Fluid level @ 5900' 1 hr after job. SDFN.

11/21/89:

CTD \$1,883,477

MIRU Western Co to prepare for sand frac. Filter & heat

4000 bbls fresh wtr.

11/22/89:

CTD \$2,070,183

RU Western Co to sd frac Wasatch perfs 11,505-12,035' w/pkr @ 11,276' on 3-1/2" 10.3# tbg. Set & test annulus line

pop-off @ 2800 psi. Pumped:

10,000 gal 15# gel pad 20,000 gal 40# gel pad

15,000 gal gel w/1/4 ppg 100 mesh sd 15,000 gal gel w/1/2 ppg 100 mesh sd 15,000 gal gel w/3/4 ppg 100 mesh sd 15,000 gal gel w/1 ppg westprop 1 15,000 gal gel w/1.5 ppg westprop 1 15,000 gal gel w/2 ppg westprop 1 5,200 gal gel w/2.2 ppg westprop 1

Note: Curve showed screening out. Went to flush w/3064 bbls fluid gone, 22,500# 100 mesh sd gone & 77,000# westprop 1 gone. Avg rate & press 35 BPM @ 8400 psi, max rate 37 BPM @ 8900 psi during 1 ppg 100 mesh sd, max press 10,000 psi @ 32 BPM during 40# gel pad. ISIP 5000 psi, 15 min SIP 4770

psi. SDFN.

11/23/89:

CTD \$2,074,082

ONSIP O psi. Release pkr. Removed top sub. Rigged to swab. Initial fluid level 500'. Swabbed down to fluid level 4300' in 7 runs. Fluid level @ 1500' on 10th run.

Swabbed 125 bbls broken gel in 8 hrs. SDFN.

11/24/89:

ONSIP 850 psi. Opened well to test tank. Flowed 57 BO in 5 hrs, then died. RU swab. Initial fluid level @ surf. Made 15 runs from varying fluid levels 1700-3000'. Flowed & swabbed 152 BO & 95 BW in 10 hrs. SDFN.

11/25/89:

ONSIP 750 psi. Bled off gas. RU swab. Initial fluid level 1300 psi. Made 12 swab runs from stable fluid level 2500-3000'. Swabbed 75 BO & 70 BW in 8 hrs. SDFWE.

11/27/89:

CTD \$2,075,922

42 hr SITP 1500 psi. Bled off gas. RU swab. Initial fluid level 700'. Swabbed well to flowing w/3 runs. Flowed 2 hrs then died. Swabbed well to flowing again w/1 run. Flowed 1 hr then died. Swabbed in 3rd time w/3 more runs. Swabbed & flowed 79 BO & 33 BW in 9 hrs. SDFN. 2701 BLWTR.

11/28/89:

CTD \$2,085,532

12 hr SITP 800 psi. Bled gas press off tbg. RU swab. Initial fluid level 800'. Swabbed well to flowing w/3 runs. Flowed 9 BO in 30 mins. Plugged off. Unplugged w/hot oiler. Cont swabbing. Swabbed & flowed 37 BO & 0 BW in 2 hrs. RU Halliburton Logging Service to run tracer survey of isotopes pumped in frac job of 11/22/89. RD Halliburton. SDFN.

CTD \$2,087,242 11/29/89:

Flushed tbg. POOH w/327 jts 3-1/2" 10.3# Released pkr. N-80 10rd tbg & pkr. RIH open ended w/120 jts 2-7/8" tbg to

EOT @ 3700'. SDFN.

CTD \$2,088,127 11/30/89:

RIH w/additional 2-7/8" tbg to EOT @ Hot oil tbg & csg.

7970'. SDFN.

CTD \$2,093,989 12/01/89:

> Circ wax w/hot wtr. POOH w/250 jts 2-7/8" tbg. RU Mercury RIH & set CIBP @ 11,490' (per Schlumberger CBL Of

10/26/89) RD Mercury. SDFWE.

CTD \$2,095,509 12/04/89:

RU oilwell perforators. Perf Wasatch under full lubricator & grease injector w/4-1/8" HSC csg guns 2 SPF on 120° phasing. Made 8 runs. Perf 10,844-11,452'.

Will detail perfs when job complete. SDFN.

12/05/89: CTD \$2,118,443

> Finish perfing. Perf remaining 6 of 14 runs w/4" HSC csg guns 2 SPF on 120° phase. Perf interval for

12/04/89-12/05/89:

11,300-320' 10,796-805' 11,064-068' 10,464-476'

11,324-332' 10,812-824' 11.076-083' 10.506-526'

10,588-591' 10,828-834' 11.093-121' 11,370-372'

11,136-150' 11,384-390' 10.614-650' 10,844-860'

11,160-166' 11,395-399'

10,694-700' 10,878-880' 10,904-932' 11,186-190' 11,408-416' 10,702-712'

11,427-429' 11,004-008' 11,707-740' 10.742-748'

10.761-764' 11,014-017' 11,249-251' 11,450-452'

11,027-029' 11,264-280' 10,776-778'

10,785-790' 11,041-043' 11,287-293'

TOTAL: 38 intervals, 364', 728 holes

Plotted perfs on Schlumberger DIL of 09/24/89. Correlated to Schlumberger CBL of 10/26/89. RD Oilwell perforators. RIH w/Baker Retrievamatic pkr for 7" 29# csg & 110 jts

3-1/2" 10.3# N-80 8rd tbg. SDFN.

12/06/89: CTD \$2,121,013

> 12 hr SITP 2500 psi. Circ well to kill. Finished RIH

w/3-1/2" 10.3# tbg. Set pkr @ 10,200' SDFN.

12/07/89: CTD \$2,124,173

12 hr SITP 3000 psi. Open well to test tank. Flowed 5 BO & much gas in 1 hr. Turn to tank battery. Well died. RU Initial fluid level @ surf. Made 17 swab runs.

Final fluid level 5600'. Rec 55 BO & 112 BW in 8 hrs.

SDFN.

# STATE OF UTAH DEPARTME OF NATURAL RESOURCES

SUBMIT	1N	TI	t IP	ЫC	M	E*
( <u>Oth</u> er					on	
T C	;v::I	SC	side	.)		

DIVISIO	ON OF OIL, GAS,	AND MI	NING	•	5. LEASE DESIGNATION	AND SERIAL HO.
SUNDRY NOTI	CES AND REP	ORTS (	ON WELLS lack to a different reservoir	r.	6. IF INDIAN, ALLOTTER	OR TRIBE NAME
OIL WELL WELL OTHER			NECLLIVI		7. UNIT AGREEMENT NA	M.S.
PENNZOIL EXPLORATION A  3. ADDRESS OF OPERATOR	ND PRODUCTION	COMPANY	JUL 3 0 1990	رالة	8. FARM OR LEASE NAM SHERMAN	(B
P.O. BOX 2967, HOUSTO	•	_	DIVISION OF		9. WELL NO. 2-12B2	
4. LOCATION OF WELL (Report location cle See also space 17 below.) At surface 940' FSL & 1680' FEL	early and in accordance	e with any	Statelksquidition en GRINING		BLUEBELI,	
					SEC 12 T2S R	
14. PERMIT NO.	15. SLEVATIONS (Show	whether pr.	RT. GR. etc.)		12. COUNTY OR PARISH	
API NO. 43-013-31238	GL 5210.6				DUCHESNE	UTAH
16. Check App	propriate Box To In	idicate N	ature of Notice, Repo	nt, or O	ther Data	
NOTICE OF INTENT	ion to:			SUBBEEUE	SNT REPORT OF:	
TEST WATER SHUT-OFF PU	LL OR ALTER CASING		WATER SHUT-OFF		REPAIRING W	BLL
FRACTURE TREAT	CLTIPLE COMPLETE		FRACTURE TREATME	17	ALTERING CA	BING
SHOOT OR ACIDIZE	ANDON•		SHOUTING OR ACIDIZ	ING	ABANUONMEN:	ı.
REPAIR WELL CH	ANGE PLANS		(Other)			
(Other) TEMPORARILY SHUT W	ELL IN	X			of multiple completion of tion Report and Log form	
THIS WELL WAS SHUT-IN 7-2.  OF OPERATIONS AT THE GAR.  NORMAL PRODUCTION OPERATION	y gas plant lo	CATED N	EAR NEOLA, UTAH.	PENN	ZOIL WILL RESUM	Œ
CON	FIDEN	ITI	AL	J-DA	GLH SLS	
8. I hereby certify that the foregoing is to SIGNED (This space for Federal or State office state)	rue and correct	LE PET	ROLEUM ENGINEER		DATE 7-26-9	0
APPROVED BY	TIT	LE		<del></del>	DATE	



SUNDRY NOTICES AND RE Do not use this form for proposals to drill or Use "APPLICATION FOR PE	r deepen or reentry to a different reservoir.	5. Lease Designation and Serial No. Fee  6. If Indian, Allottee or Tribe Name
SUBMIT IN 7  1. Type of Well  X Oil Well Gas well Other  2. Name of Operator Pennzoil Exploration and Production Co 3. Address and Telephone No. P.O. Box 290 Neola, Utah 8 4  4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  940' FSL & 1680' FEL of Section 12, T2	ompany 4 0 5 3 (8 0 1) 3 5 3 - 4 3 9 7	7. If unit or CA, Agreement Designation  9690 8. Well Name and No.  Sherman 2-12B2 9. API Well No.  43-013-31238-00 10. Field and Pool, or Exploratory Area Bluebell-Wasatch 11. County or Parish, State Duchesne, Utah
12 CHECK APPROPRIATE BOY(s) TO	INDICATE NATURE OF NOTICE, REPORT, OF	POTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	KOHEKBATA
Subsequent Report  Final Abandonment Notice  13. Describe Proposed or Completed Operations (Clearly state all pertindrilled, give subsurface locations and measured and true vertices.)	Abandonment Recompletion Plugging Back Casing repair Altering Casing X Other Add perfs & acidize.	
	ork should commence in the next 15-45 days.	
	PROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND JUNING : Jay Vallous	AUG 1 0 1993
14. I hereby certify that the foregoing is true and correct Signed Jess Dullnig	Title Petroleum Engineer	Date 9-Aug-93
(This space of Federal or State office use.)		
Approved by	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as

to any matter within its jurisdiction.



Lease Designation and Serial No. SUNDRY NOTICES AND REPORTS ON WELLS FEE Do not use this form for proposals to drill or deepen or reentry to a different espinoit 6. If Indian, Allottee or Tribe Name Use "APPLICATION FOR PERMIT -" for such proposal 2 Ute Tribal 7. If unit or CA, Agreement Designation SEP 17 1993 SUBMIT IN TRIPLICATE CA 9690 1. Type of Well DIVISION OF X Oil Well 8. Well Name and No. OIL, GAS & MINING SHERMAN 2-12B2 2. Name of Operator 9. API Well No. Pennzoil Exploration and Production Company 43-013-31238-00 3. Address and Telephone No. 84053 Neola, Utah (801)353-4397 10. Field and Pool, or Exploratory Area P.O. Box 290 Bluebell-Wasatch 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, State Duchesne, Utah NESE SEC. 12, T2S, R2W CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION Change of Plans Notice of Intent Abandonment Recompletion **New Construction** Non-Routine Fracturing Plugging Back Subsequent Report Water Shut-off Casing repair Conversion to Injection **Altering Casing Final Abandonment Notice** Other ADDED WASATCH Dispose Water Completion or Recompletion Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent detes, including estimated date of starting any proposed work. If well is directically drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work) PENNZOIL PERFORMED A WORKOVER ON THE SUBJECT WELL FROM 8/16/93 THRU 9/12/93 AS FOLLOWS: 8/19/93: PERFORATED ADDITIONAL WASATCH 10,987' - 12,215' 8/21/93: ACIDIZED ALL WASATCH PERFS. 10,464' - 12,215' WITH 60,000 GAL. 15% HCI. 9/10/93: PLACED WELL BACK ON ROD PUMP 1 3/4" X 156" X 8 SPM. Petroleum Engineer Пбе Form Stestar (This space of Federal or State office use.) Approved by Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations

to any matter within its jurisdiction.



SUNDRY NOTICES AND RE	PORTS ON WELLS	5. Lease Designation and Serial No.  Fee
Do not use this form for proposals to drill o Use "APPLICATION FOR PE	r deepen or reentry to a different reservoir.	6. If Indian, Allottee or Tribe Name
		7. If unit or CA, Agreement Designation
SUBMIT IN	TRIPLICATE	
1. Type of Well		9690
X Oil Well Gas well Other		8. Well Name and No.
2. Name of Operator		Sherman 2-12B2
Pennzoil Company  3. Address and Telephone No.		9. API Well No. 43-013-31238-00
·	4066 (801) 722-6222	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		Bluebell-Wasatch
940' FSL & 1680' FEL of Section 12, T2	s, R2W	11. County or Parish, State Duchesne, Utah
12 CHECK APPROPRIATE BOX(s) TO	INDICATE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTIO	N
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
X Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing repair	Water Shut-off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	X Other Replace rods	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
<ol> <li>Describe Proposed or Completed Operations (Clearly state all perti- drilled, give subsurface locations and measured and true ver</li> </ol>	nent details, and give pertinent dates, including estimated date of starting and tical depths for all markers and zones pertinent to this work)	proposed work. If well is directionally
SUMMARY OF COMPLETED OPERAT	TIONS	
2/25/97 RU pulling unit and fished	rods.	
2/26/97 Finished laying down dam	aged rods.	
2/27/97 Ran new 3/4" rods with gu pumping unit and RD pulli	des, new 7/8" rods with guides and original 1" ng unit.	rods. Hung well on
		DECEIVE
Estimated total cost from f	ield reports - \$36,383	DIV. OF OIL, GAS & MINING
_		DIV. OF OIL, and a miss
14. I hereby certify that the foregoing is true and correct Signed Jess Dullnig Jess Lucke	7 Title Petroleum Engineer	Date 9-May-97
(This space of Federal or State office use.)		
		_
Approved by  Conditions of approval, if any:	Title	Date
Conditions of approval, if any.		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as

to any matter within its jurisdiction.

# STATE OF UTAH DIVISION OF OIL GAS AND MINING

## **DRILLING OPERATIONS**

Well Name: SHERMAN #2-12B2       API Number: 43-013-31238         Qtr/Qtr: SW/SE       Section: 12       Township: 2S       Range: 2W
Company Name: PENNZOIL EXPLORATION
Lease: State Fee_YES Federal Indian
Inspector: DENNIS L. INGRAM Date: 2/1/99
Inspection made in accordance with Division Inspection Standards and Procedures for drilling operations, any exceptions noted in comments.
Depth at time of visit: Last BOPE test recorded:
Drilling Contractor: SMITH WELL SERVICE Rig No. #1
COMMENTS: CHANGE OUT ROD PUMP. KENT BASTAIN IS THE COMPANY
MAN. BOPE AND ACCUMULATOR IN PLACE. WATER DISPOSAL BY TRUCK.
TUBING AND RODS ARE IN THE DERRICK.
·

## INSPECTION FORM 1STATE OF UTAH DIVISION OF OIL GAS AND MINING

#### **DRILLING OPERATIONS**

$\mathcal{A}$	
Well Name: SHERMAN 2-12B2 API Number: 43-013-31238	
Qtr/Qtr: <u>SW/SE</u> Section: <u>12</u> Township: <u>2S</u> Range: <u>2W</u>	
Company Name: PENNZENERGY	
Lease: State Fee <u>YES_</u> Federal Indian	
Inspector: DENNIS L. INGRAM Date: 5/12/99	
t (	. 🛥
Inspection made in accordance with Division Inspection Standards and Procedures for	<u>.</u> T
drilling operations, any exceptions noted in comments.	
Depth at time of visit: Last BOPE test recorded:	
Drilling Contractor: SMITH WELL SERVICE Rig No. #1	
Drilling Contractor. Sivil TTT VVLLE SERVICE 1819 NO. #1	
COMMENTS: OPERATOR JUST CAUGHT FISHRODSAND ARE FLUSHING	
COMMENTS. OF LIVETON 3031 OROGITT FIGHT-NODO-MIND MILET EDGE MINO	
TUBING TO POOH AND REPAIR. WELL SHOULD BE BACK ON PRODUCTION	
TODITO TO FOOTI MID THE TAIN. WELL OF TOOLD BE BASEL ON THOO DE TOOL	
TOMORROW OR SO, ALL FLUIDS TO TANKS AND TRUCKED FROM LOCATION.	



## United States Department of the Interior

#### **BUREAU OF LAND MANAGEMENT**

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 RECEIVED
FEB 17 2000

OIL, GAS AND MINING

In Reply Refer To: 3106 U-0575A et al (UT-932) FEB 1 6 2000

#### NOTICE

Devon Energy Production Company L.P. 20 North Broadway, Suite 1500

Oklahoma City, Oklahoma 73102-8260

Oil and Gas U-0575A et al

#### Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Devon Energy Corporation (Nevada) and PennzEnergy Exploration and Production Company, L.L.C. into Devon Energy Production Company, L.P. with that company being the surviving entity.

The oil and gas lease files listed on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from your list of leases, and a list of leases obtained from our computer system. We have not attempted to identify leases where the entities are the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the merger by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

PennzEnergy Company assigned 100 percent of the record title interest, in the following leases on the list submitted by Devon Energy Production Company L.P., to Barrett Resources Corporation (Barrett) effective January 1, 2000.

U-0143511

U-4377

UTU-67943

U-0143512

U-4378

Subsequently, Barrett assigned 100 percent of the record title interest to Coastal Oil & Gas Corporation effective February 1, 2000. A copy of this notice is being placed in these files to cover any overriding royalty interest that would be held by the surviving entity.

Lease U-0115614A is held 100 percent by Flying J Oil & Gas. PennzEnergy Company holds 100 percent of the record title interest in lease U-3575. No record title assignment assigning the interest to PennzEnergy Exploration and Production Company, L.L.C. has been filed in this office. A copy of this notice will be placed in the lease files to cover any overriding royalty interest that would be held by the surviving entity.

#### Devon Energy Production Company, L.P.

## FILED

#### **Certificate of Merger**

DEC 3 0 1999

OKLAHOMA SECRETARY
OF STATE

TO:

The Oklahoma Secretary of State

101 State Capitol

Oklahoma City, Oklahoma 73105

Devon Energy Production Company, L.P., a limited partnership organized under the laws of the State of Oklahoma, for the purpose of filing a Certificate of Merger pursuant to the provisions of 54 O.S. § 310.1, does hereby execute the following Certificate of Merger:

1. The name and jurisdiction of formation or organization of each of a domestic limited partnership, a foreign corporation and a foreign limited liability company which are to merge are:

Name of Organization	Type of Organization	Jurisdiction of <u>Formation</u>
Devon Energy Production Company, L.P.	Limited Partnership	Oklahoma
Devon Energy Corporation (Nevada)	Corporation	Nevada
PennzEnergy Exploration and Production Company, L.L.C.	Limited Liability Company	Delaware

- 2. An Agreement of Merger has been approved and executed by the limited partnership, the corporation and the limited liability company which are to merge.
  - 3. The name of the surviving or resulting limited partnership is:

Devon Energy Production Company, L.P.

- 4. The merger shall be effective upon the filing of this Certificate of Merger with the Secretary of State of Oklahoma.
- 5. The Agreement of Merger is on file at the place of business of the surviving limited partnership at 1500 Mid-America Tower, 20 North Broadway, Oklahoma City, Oklahoma 73102.
- 6. A copy of the Agreement of Merger shall be furnished by the surviving or resulting limited partnership, upon request and without cost, to any partner of any limited partnership or any person holding an interest in any other business entity which is to merge.

MAR 1 3 2000

DATED as of the 30th day of December, 1999.

Devon Energy Management Company, L.L.C. General Partner

J. Larry Nichola

J. Larry Nichols, Manager

# **RECEIVED**

MAR 1 3 2000



		DESIGN	ATION OF AGENT	OR OPERATOR	
The under	ionad is an es-				
		ord, the holder of oi			
LEASE N	AME: As p	er the attache	d spreadsheet.		
LEASE N	UMBER:		•		
and hereby	designates				
NAME: _	Devon Ener	gy Production (	Company, L.P.		
ADDRESS	20 Nort	h Broadway, Sui	ite 1500, Oklahoma	a City, OK 73102-8260	
compliance w		Gas Conservation G		complying with the terms of the lease gent may serve written or oral instructive dural Rules of the Board of Oil, Gas and	
(Describe acreage t	p which this designation is	applicable, and identify each ac	opticable oil and gas well by same and	API number. Attach additional pages as needed.)	
See a	ttached spre	eadsheet.			
Note:	Please use	April 1, 2000	as the starting	date for production reporting	purposes.
			F	RECEIVED	
				APR 2 0 2000	
			Ol	DIVISION OF L, GAS AND MINING	
	that this design	nation of agent/opera	ator does not relieve the	lessee of responsibility for compliance	
tate of Utah, in the lease, case of defau ase terms or o	t is also underst ult on the part of orders of the Bo	tood that this design of the designated ago pard of Oil, Gas and	nation of agent or opera ent/operator, the lesses Mining of the State of	ural Hules of the Board of Oil, Gas and tor does not constitute an assignment of will make full and prompt compliance Utah or its authorized representative.	Mining of the of any interest with all rules,
tate of Utah. In the lease.  case of defautase terms or one lessee agree	it is also underst with on the part of profess of the Bo ses to promptly i	tood that this design of the designated ago pard of Oil, Gas and notify the Division D	nation of agent or opera ent/operator, the lessed Mining of the State of Director or Authorized A	ural Hules of the Board of Oil, Gas and tor does not constitute an assignment	Mining of the of any interest with all rules,
tate of Utah, in the lease, case of defautase terms or one lessee agreement of the lessee agreement of	at is also understant on the part of orders of the Borders to promptly of Designation:	f the designated ago pard of Oil, Gas and notify the Division D	ent/operator, the lessee Mining of the State of Director or Authorized A	ural Hules of the Board of Oil, Gas and tor does not constitute an assignment of will make full and prompt compliance. Utah or its authorized representative.  gent of any change in this designation	Mining of the of any interest with all rules,
tate of Utah. In the lease.  case of defautase terms or one lessee agree	it is also underst with on the part of profess of the Bo ses to promptly i	f the designated ago pard of Oil, Gas and notify the Division D	ent/operator, the lessee Mining of the State of Director or Authorized A	tor does not constitute an assignment of will make full and prompt compliance.  Utah or its authorized representative.  gent of any change in this designation.  PennzEnergy Exploration and Company, L.L.C.	Mining of the of any interest with all rules,
tate of Utah. In the lease.  case of defautase terms or one lessee agreed dective Date of the lease.	at is also understant on the part of orders of the Borders to promptly of Designation:	f the designated ago pard of Oil, Gas and notify the Division D	ent/operator, the lesses Mining of the State of Director or Authorized A	tor does not constitute an assignment of will make full and prompt compliance. Utah or its authorized representative, gent of any change in this designation.  PennzEnergy Exploration and	Mining of the of any interest with all rules,  Production

Leases U-61343, UTU-64532, UTU-66485 and UTU-75200 have expired and are closed on the records of this office.

An assumption rider for BLM Bond No. CO1104 has been filed in the Colorado State Office.

/a/ Robert Lopez

Robert Lopez Chief, Branch of Minerals Adjudication

Enclosure

**Exhibit** 

cc: Vernal Field Office (w/encl.)

Moab Field Office (w/encl.)

MMS, Reference Data Branch, MS3130, P.O. Box 5860, Denver, CO 80217 (w/encl.) State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT (w/encl.)

Teresa Thompson (UT-931) (w/encl.) Irene Anderson (UT-932) (w/encl.) LaVerne Steah (UT-942) (w/encl.)

## **Exhibit of Leases**

U-0575A	U-0141459	U-4377
U-01188B	U-0143511	U-4378
U-016654	U-0143512	U-16131
U-0115614A	U-0144868A	U-31262
U-0115615	U-3099	U-44426
U-0126825	U-3575	UTU-67943
U-0141454	11711-74888	010-01945

## Communitization Agreements

U-58774 U-58799	U-58835 U-58839	U-60827
		U-60831
U-58830	U-58844	U-68998
U-58834	U-58854	



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

In Reply Refer To: 3100 U-4377 UTU-66485 (UT-932)

MAR 2 6 1999

NOTICE

PennzEnergy Exploration and Production L.L.C. P.O. Box 2967

Houston, TX 77252-2967

Oil and Gas

### Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Pennzoil Exploration and Production Company into PennzEnergy Exploration and Production L.L.C. with PennzEnergy Exploration and Production L.L.C. being the surviving entity.

For our purposes, the merger is recognized effective December 28, 1998, (Secretary of State's approval date).

Oil and gas lease files U-4377 and UTU-66485 have been noted as to the merger. The lease file numbers were obtained from a list of leases drawn from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8023 Exploration and Production Company to PennzEnergy Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8134-999 (BLM Bond No. NM2142).

IRENU J. ANDERCON

Irene J. Anderson Acting Group Leader, Minerals Adjudication Group

cc:

Moab Field Office Vernal Field Office Vernal Field Office MMS, Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217 State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801 Teresa Thompson (UT-931)



## United States Department of the Interior

#### BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

In Reply Refer To: 3100 U-0115615 et al (UT-932)

MAR 2 6 1999

NOTICE

PennzEnergy Company P.O. Box 2967 Houston, TX 77252-2967

Oil and Gas

#### Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of PennzEnergy Company into Pennzoil Company with PennzEnergy Company being the surviving entity.

For our purposes, the merger is recognized effective December 30, 1998, (Secretary of State's approval

The oil and gas lease files and communitization agreement computer files identified on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from a list of leases obtained from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Company to PennzEnergy Company on Bond No. 8134-90-99 (BLM Bond No. NM2142).

IRENL GARDENCC

Irene J. Anderson Acting Group Leader, Minerals Adjudication Group

Enclosure

**Exhibit** 

CC:

Moab Field Office Vernal Field Office

MMS, Reference Data Branch. MS 3130, Box 5860, Denver, CO 80217

State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801 Teresa Thompson (UT-931)



ARR 20 2000

# DEVON ENERGY PRODUCTION COMPANY, L.P. UTAH PROPERTIES

DWISIONOF OIL CHESANDMINING

						LEASE NO. /
	API NO.	WELL NAME & NO.	LOCATION	COUNTY	FIELD NAME	AGREEMENT NO.
1	4301330005	CLYDE MURRAY 1-2A2	SESW-2-1S-2W	DUCHESNE	BLUEBELL	
2	4301330006	STATE 1-10A2	SWNE-10-1S-2W	DUCHESNE	BLUEBELL	
3	4301330009	VIRGIL MECHAM 1-11A2	W/2NE-11-1S-2W	DUCHESNE	BLUEBELL	96107
4	4301330011	VICTOR C BROWN 1-4A2	NESE-4-1S-2W	DUCHESNE	BLUEBELL	
5	4301330017	DOUG BROWN 1-4A2	SENW-4-1S-2W	DUCHESNE	BLUEBELL	
6	4301330030	CHASEL 1-18A1	NWNE-18-1S-1W	DUCHESNE	BLUEBELL	9628
77	4301330031	OLSEN 1-12A2	SWNE-12-1S-2W	DUCHESNE	BLUEBELL	UTU77363
8	4301330035	BOREN 1-14A2	NWSW-14-1S-2W	DUCHESNE	BLUEBELL	NW498
9	4301330042	UTE 2-12A3	NESW-12-1S-3W	DUCHESNE	BLUEBELL	1420H621576 Terminated 8-3-93
10	4301330086	L BOREN U 3-15A2	NESW-15-1S-2W	DUCHESNE	BLUEBELL	
11	4301330099	LAMICQ URRUTY U 3-17A2	NWSE-17-1S-2W	DUCHESNE	BLUEBELL	
12	4301330107	L BOREN U 5-22A2	SWNE-22-1S-2W	DUCHESNE	BLUEBELL	
13	4301330115	L BOREN U 4-23A2	SENW-23-1S-2W	DUCHESNE	BLUEBELL	
14	4301330119	VERL JOHNSON 1-27A2	SWNE-27-1S-2W	DUCHESNE	BLUEBELL	
15	4301330120	TOMLINSON FED 1-25A2	SENW-25-1S-2W	DUCHESNE	BLUEBELL	NW537
16	4301330123	L BOREN U 6-16A2	NWSE-16-1S-2W	DUCHESNE	BLUEBELL	1111007
17	4301330125	UTE 3-18A2	NESW-18-1S-2W	DUCHESNE	BLUEBELL	1420H621750
18	4301330130	WOODWARD 1-21A2	SWNE-21-1S-2W	DUCHESNE	BLUEBELL	NW590
19	4301330133	LAMICQ 1-20A2	SWNE-20-1S-2W	DUCHESNE	BLUEBELL	1111000
b	4301330136	UTE 1-6B3	NWNE-6-2S-3W	DUCHESNE	ALTAMONT	14204621778 / 9651
21	4301330142	SMITH UTE 1-18C5	NWNE-18-3S-5W	DUCHESNE	ALTAMONT	1420H622392
22	4301330143	MAUREL TAYLOR FEE 1-36A2	NESW-36-1S-2W	DUCHESNE	BLUEBELL	142011022092
23	4301330200	L ROBERTSON ST 1-1B2	NESW-1-2S-2W	DUCHESNE	BLUEBELL	
24	4301330212	LAMICQ UTE 1-5B2	NWSE-5-2S-2W	DUCHESNE	BLUEBELL	1420H621806 / 9683
25	4301330236	CAMPBELL UTE ST 1-7B1	SENW-7-2S-1W	DUCHESNE	BLUEBELL	1420H621970 / 9686
26	4301330245	SMITH ALBERT 1-8C5	SENE-8-3S-5W	DUCHESNE	ALTAMONT	1 7201 102 107 0 7 9000
27	4301330294	FRESTON ST 1-8B1	NESW-8-2S-1W	DUCHESNE	BLUEBELL	

## KEUEIVEU

APR 2 0 2000

# DEVON ENERGY PRODUCTION COMPANY, L.P. UTAH PROPERTIES

	OIL, GAS AND					LEASE NO. /
	API NO.	WELL NAME & NO.	LOCATION	COUNTY	FIELD NAME	AGREEMENT NO.
28	4301330297	GEORGE MURRAY 1-16B1	SENW-16-2S-1W	DUCHESNE	BLUEBELL	
29	4301330307	UTE ALLOTTED 1-36Z2	NWSE-36-1N-2W	DUCHESNE	BLUEBELL	1420H621676 / 9C124
30	4301330347	LAMICQ URRUTY U 4-5A2	SENW-5-1S-2W	DUCHESNE	BLUEBELL	
31	4301330359	H G COLTHARP 1-15B1	SENW-15-2S-1W	DUCHESNE	BLUEBELL	
32	4301330369	STATE 3-18A1	NESW-18-1S-1W	DUCHESNE	BLUEBELL	9C142
33	4301330564	D L GALLOWAY 1-14B2	SWNE-14-2S-2W	DUCHESNE	BLUEBELL	
34	4301330807	MARGUERITE 2-8B2	SENW-8-2S-2W	DUCHESNE	BLUEBELL	96102
35	4301330809	LAMICQ 2-6B1	NWSE-6-2S-1W	DUCHESNE	BLUEBELL	
36	4301330821	DILLMAN 2-28A2	SWNE-28-1S-2W	DUCHESNE	BLUEBELL	
37	4301330903	HAMBLIN 2-26A2	SWNE-26-1S-2W	DUCHESNE	BLUEBELL	
38	4301330912	RACHEL JENSEN 2-16C5	NENW-16-3S-5W	DUCHESNE	ALTAMONT	
39	4301330921	ROBERTSON UTE 2-2B2	NENE-2-2S-2W	DUCHESNE	BLUEBELL	9682
40	4301330975	JOHN 2-3B2	NWNE-3-2S-2W	DUCHESNE	BLUEBELL	
41	4301330995	LAMICQ ROBERTSON STATE 2-1B2	SWNE-1-2S-2W	DUCHESNE	BLUEBELL	
42	4301331009	UTE 2-7A2	CNE-7-1S-2W	DUCHESNE	BLUEBELL	1420462811
43	4301331147	HATCH 2-3B1	SENW-3-2S-1W	DUCHESNE	BLUEBELL	
44	4301331151	NORLING 2-9B1	SWSW-9-2S-1W	DUCHESNE	BLUEBELL	
45	4301331184	SHAW 2-27A2	SESW-27-1S-2W	DUCHESNE	BLUEBELL	
46	4301331190	LAMICQ URRUTY 4-17A2	SENW-17-1S-2W	DUCHESNE	BLUEBELL	
7	4301331191	LAMICQ 2-20A2	SESE-20-1S-2W	DUCHESNE	BLUEBELL	
48	4301331192	BOREN 3-11A2	SWSW-11-1S-2W	DUCHESNE	BLUEBELL	96107
49	4301331203	FRESTON 2-8B1	SWNE-8-2S-1W	DUCHESNE	BLUEBELL	
50	4301331215	WISSE 3-35A2	SWSW-35-1S-2W	DUCHESNE	BLUEBELL	
51	4301331231	MECCA 2-8A2	SESE-8-1S-2W	DUCHESNE	BLUEBELL	
52	4301331232	MARK 2-25A2	NWNE-25-1S-2W	DUCHESNE	BLUEBELL	NW537
53	4301331233	DUNCAN 4-12A2	SWNW-12-1S-2W	DUCHESNE	BLUEBELL	UTU77363
54	4301331235	SWYKES 2-21A2	NWNW-21-1S-2W	DUCHESNE	BLUEBELL	NW590

APR 2 0 2000

# DEVON ENERGY PRODUCTION COMPANY, L.P. UTAH PROPERTIES

-+						LEASE NO. /
	API NO.	WELL NAME & NO.	LOCATION	COUNTY	FIELD NAME	AGREEMENT NO.
55	4301331238	SHERMAN 2-12B2	SWSE-12-2S-2W	DUCHESNE	BLUEBELL	9690
56	4301331245	MILES 7-7B3	SWNW-7-2S-3W	DUCHESNE	ALTAMONT	9675
57	4301331276	DUNCAN 4-2A2	NESE-2-1S-2W	DUCHESNE	BLUEBELL	
58	4301331278	HAMBLIN 3-9A2	SENE-9-1S-2W	DUCHESNE	BLUEBELL	
59	4301331285	DUNCAN 3-7A1	NWNW-7-1S-1W	DUCHESNE	BLUEBELL	
60	4301331286	BAR F 2-5B1	SWSE-5-2S-1W	DUCHESNE	BLUEBELL	
61	4301331299	CORNABY 2-14A2	NENE-14-1S-2W	DUCHESNE	BLUEBELL	NW498
62	4301331317	MITCHELL 2-4B1	SESW-4-2S-1W	DUCHESNE	BLUEBELL	9662
63	4301331321	SMITH 2-9C5	SWSW-9-3S-5W	DUCHESNE	ALTAMONT	
64	4301331322	LORANGER 2-24A2	N/2NE-24-1S-2W	DUCHESNE	BLUEBELL	
65	4301331325	UTE 2-6B3	SWSW-6-2S-3W	DUCHESNE	ALTAMONT	1420H621858 / 9651
66	4301331326	MCELPRANG 2-30A1	SWSW-30-1S-1W	DUCHESNE	BLUEBELL	NW625
67	4301331327	SMITH 2-7C5	NESW-7-3S-5W	DUCHESNE	ALTAMONT	1420H622389
68	4301331328	SMITH 2-18C5	SWSE-18-3S-5W	DUCHESNE	ALTAMONT	1420H622392
69	4301331329	UTE 2-24A3	SWNW-24-1S-3W	DUCHESNE	BLUEBELL	1420H621761
70	4301331330	UTE 5-19A2	NWNW-19-1S-2W	DUCHESNE	BLUEBELL	1420H621751
71	4301331332	EDWARDS 3-10B1	SWSW-10-2S-1W	DUCHESNE	BLUEBELL	
72	4301331333	SUNDANCE 4-15A2	SWNE-15-1S-2W	DUCHESNE	BLUEBELL	
73	4301331334	LORANGER 6-22A2	SWSW-22-1S-2W	DUCHESNE	BLUEBELL	
74	4301331335	COX 2-36A2	NWNW-36-1S-2W	DUCHESNE	BLUEBELL	
75	4301331338	SMITH 2-6C5	SESW-6-3S-5W	DUCHESNE	ALTAMONT	1420H622388 / UTU70553
76	4301331341	FRESTON 2-7B1	SENE-7-2S-1W	DUCHESNE	BLUEBELL	1420H621970 / 9686
77	4301331356	PEARSON 2-11B2	SENE-11-2S-2W	DUCHESNE	BLUEBELL	
78	4301331378	CHAPMAN 2-4B2	SWNW-4-2S-2W	DUCHESNE	BLUEBELL	
79	4301331390	LAMB 2-16A2	NENE-16-1S-2W	DUCHESNE	BLUEBELL	
80	4301331393	LABRUM 2-23A2	SWSW-23-1S-2W	DUCHESNE	BLUEBELL	
81	4301331820	POWELL 2-16B1	NENE-16-2S-1W	DUCHESNE	BLUEBELL	

# DEVON ENERGY PRODUCTION COMPANY, L.P. UTAH PROPERTIES

	API NO.	WELL MARKS ONO				LEASE NO. /
00		WELL NAME & NO.	LOCATION	COUNTY	FIELD NAME	AGREEMENT NO.
82	4304730164	ROBERTSON UTE ST 1-12B1	SWNE-12-2S-1W	UNITAH	BLUEBELL	96101
83	4304730176	MAY UTE FEDERAL 1-13B1	NWSE-13-2S-1W	UNITAH	BLUEBELL	
84	4304731981	COOK 1-26B1	SWSW-26-2S-1W	UNITAH	BLUEBELL	NW673
85	4304732178	CHRISTIANSEN 2-12B1	SWSE-12-2S-1W	UNITAH	BLUEBELL	UTU68998
86	4304732351	BALLARD 2-15B1	SENE-15-2S-1W	UNITAH	BLUEBELL	96101
87	4304732744	RICH 2-13B1	NWNW-13-2S-1W	UNITAH	BLUEBELL	NW673
						144070
88	4301320255	SWD 4-11A2	NWNW-11-1S-2W	DUCHESNE	BLUEBELL	00407
89	4301330021	SWD 1-3A2	SESE-3-1S-2W	DUCHESNE	BLUEBELL	96107
90	4301330346	SWD 2-28A2	NWSE-28-1S-2W	DUCHESNE	BLUEBELL	
91	4301330367	SWD 2-10B1	NWNW-10-2S-1W	DUCHESNE		
92	4301330389	SWD 2-26A2	NESW-26-1S-2W		BLUEBELL	
93	4301330388	SWD 2-17C5	SENE-17-3S-5W	DUCHESNE DUCHESNE	BLUEBELL BLUEBELL	

# RECEIVED

APR 20 2000

Division of Oil, Gas and Mining

#### **OPERATOR CHANGE WORKSHEET**

 1. GLH
 4-KA

 2. CDW
 5=51/2

 3. JLT
 6-FIL

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X Merger

FROM: (Old Operator):	TO: ( New Operator):
PENNZOIL COMPANY	DEVON ENERGY EXPL & PROD CO LP
Address: P. O. BOX 290	Address: 20 NORTH BROADWAY STE 1500
NEOLA, UT 84053	OKLAHOMA CITY, OK 73102-8260
Phone: 1-(435)-353-4121	Phone: 1-(405)-235-3611
Account No. N0705	Account N1275

CA No.

Unit:

		API	ENTITY	SEC. TWN	LEASE	WELL	WELL
NAME		NO.	NO.	RNG	TYPE	TYPE	STATUS
CHASEL 1-18A1	CA (9628)	43-013-30030	5805	18-01S-01W	FEE	OW .	P
STATE 3-18A1	CA (9C142)	43-013-30369	5810	18-01S-01W	FEE	OW	P
MCELPRANG 2-30A1	CA (NW625)	43-013-31326	11252	30-01S-01W	FEE	ow	P
VIRGIL MECHAM 1-11A2	CA (96107)	43-013-30009	5760	11-01S-02W	FEE	GW	P
BOREN 3-11A2	CA (96107)	43-013-31192	5472	11-01S-02W	FEE	OW	P
OLSEN 1-12A2	CA (UTU77363)	43-013-30031	5880	12-01S-02W	FEE	OW	S
BOREN 1-14A2	CA (NW498)	43-013-30035	5885	14-01S-02W	FEE	OW	P
CORNBY 2-14A2	CA (NW498)	43-013-31299	11228	14-01S-02W	FEE	ow	P
MITCHELL 2-4B1	CA (9662)	43-013-31317	11231	04-02S-01W	FEE	OW	P
ROBERTSON UTE 2-2B2	CA (9682)	43-013-30921	5472	02-02S-02W	FEE	ow	P
MARGUERITE 2-8B2	CA (96102)	43-013-30807	2303	08-02S-02W	FEE	OW	S
SHERMAN 2-12B2	CA (9690)	43-013-31238	11009	12-02S-02W	<b>RE</b> E	ow	P
MILES 7-7B3	CA (9675)	43-013-31245	11025	07-02S-03W	FEE	OW	S
CHRISTIANSEN 2-12B1	CA (96101)	43-047-32178	11350	12-02S-01W	FEE	ow	P
ROBERTSON UTE ST 1-12B1	CA (96101)	43-047-30164	5475	12-02S-01W	FEE	ow	S
MAY UTE FEDERAL 1-3B1	CA (9675)	43-047-30176	5435	13-02S-01W	FEE	OW	P
RICH 2-13B1	CA (9675)	43-047-32744	12046	13-02S-01W	FEE	OW	P
			<del>                                     </del>	<del>                                     </del>		- <del> </del>	

## **OPERATOR CHANGES DOCUMENTATION**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on:

04/20/2000

2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on:

04/20/2000

3. The new company has been checked through the Department of Commerce, Division of Corporations Database on:

10/12/2000

4.	Is the new operator registered in the State of Utah:  YES  Business Number: 4549132-0143
5.	If NO, the operator was contacted contacted on:
6.	<b>Federal and Indian Lease Wells:</b> The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on:
7.	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for wells listed on:  N/A
8.	Federal and Indian Communization Agreements ("CA"): The BLM or the BIA has approved the operator change for all wells listed involved in a CA on:  N/A
9.	Underground Injection Control ("UIC") Pro! The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  N/A
<b>D</b> .	ATA ENTRY:  Changes entered in the Oil and Gas Database on: 11/22/2000
2.	Changes have been entered on the Monthly Operator Change Spread Sheet on: 11/22/2000
3.	Bond information entered in RBDMS on: 11/22/2000
4.	Fee wells attached to bond in RBDMS on: 11/22/2000
<b>S</b> 7	State well(s) covered by Bond No.:  N/A
	EE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:  (R649-3-1) The NEW operator of any fee well(s) listed has furnished a bond:  71S100753026-70
	The <b>FORMER</b> operator has requested a release of liability from their bond on:  N/A  The Division sent response by letter on:  N/A
3.	(R649-2-10) The <b>FORMER</b> operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:
	LMING: All attachments to this form have been MICROFILMED on: 2.26.0
	LING: ORIGINALS/COPIES of all attachments pertaining to each individual well have been filled in each well file on:
CC	MMENTS:

	STATE OF UTAH		FORM 9				
ı	DEPARTMENT OF NATURAL RESOURC DIVISION OF OIL, GAS, AND MII		5.LEASE DESIGNATION AND SERIAL NUMBER: FEE				
	Y NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	als to drill new wells, significantly deepen gged wells, or to drill horizontal laterals. U		7.UNIT or CA AGREEMENT NAME:				
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: SHERMAN 2-12B2				
2. NAME OF OPERATOR: DEVON ENERGY PROD CO LP			9. API NUMBER: 43013312380000				
3. ADDRESS OF OPERATOR: P.O. Box 290 8345 North 5125	West, Neola, UT, 84053	<b>PHONE NUMBER:</b> 405 552-7883 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0940 FSL 1680 FEL			COUNTY: DUCHESNE				
Qtr/Qtr: SWSE Section: 12	P, RANGE, MERIDIAN: Township: 02.0S Range: 02.0W Meridian:	U	STATE: UTAH				
11.	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
/	✓ ACIDIZE	☐ ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start: 4/27/2010	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
4/2//2010	CHANGE WELL STATUS	✓ COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT Date of Work Completion:	L DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION				
·	☐ OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK				
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION				
Date of Spud:	✓ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON				
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL				
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  Devon's objective is to perforate and acidize additional Wasatch intervals from 10,135 - 12,402'. Swab test new interval and return to production.  Based on production evaluation, recomplete Lower Green River intervals 8,885 - 10,060'. Swab test new interval. Return to production. Attachment: well history and procedure  Date:  May 03, 2010  By:							
NAME (PLEASE PRINT) Deanna Bell	<b>PHONE NUMBER</b> 435 353-5780	TITLE Senior Field Technician					
SIGNATURE N/A	155 555 5700	DATE 4/23/2010					



### The Utah Division of Oil, Gas, and Mining

- State of UtahDepartment of Natural Resources

**Electronic Permitting System - Sundry Notices** 

**Sundry Conditions of Approval Well Number 43013312380000** 

Autorization: Cause 139-84 - TGR3@8742'

**Approved by the Utah Division of** Oil, Gas and Mining

# DEVON ENERGY PRODUCTION COMPANY WORKOVER PROCEDURE

SHERMAN 2-12B2 SW/SE SECTION 12, T2S, R2W BLUEBELL/ALTAMONT FIELD DUSCHESNE COUNTY, UTAH

> AFE 154260 Property # 63069-001 Prepared 4/8/2010 - JDA

#### **OBJECTIVE:**

Perforate and acidize additional Wasatch intervals from 10,135'-12,402' overall. Swab test new interval. Install a rod pump system and return to production. Based on production evaluation, isolate, perforate and acidize Lower Green River intervals from 8,885'-10,060' overall. Swab test new interval. Install a rod pump system and return to production.

#### JUSTIFICATION:

The Sherman 2-12B2 was originally completed in 1989 in the Wasatch intervals. Perforations were added to the wellbore in 1993 (Wasatch). **The well currently** produces from intervals above 12,215' at ~15 BOPD and ~60 MCFD.

Cumulative production from the well to date is 391 MBO and 876 MMCF.

This workover will add 252' of Lower Green River and Wasatch perforations in 2 stages. These will be added in 21 intervals with 252', 1008 holes from 8,885' to 12,402' overall. Stage 1 perforations are partly interspersed with and above the existing perforations, while stage 2 perforations are entirely new. These intervals have good gas shows with several noted oil shows.

#### **WELL DATA:**

API No.: 43-013-31238

Completion Date: December 1989

TD: 12,500'

#### SHERMAN 2-12B2, WASATCH AND LOWER GREEN RIVER

Original PBTD: 12,481' (10-25-89)
Current PBTD: 12,240' (CIBP parts)

Current Status: Producing (currently ~15 BOPD & ~60 MCFD)

Surface Casing: 10-3/4", 45.5 & 51#, K-55 @ 3000'

Production Casing: 7", 23#, S-95 @ 0' - 7,092'

7", 26#, S-95 @ 7,092' - 10,197' 7", 29#, S-95 @ 10,197' - 12,499'

DV Tools: 6,776' & 9,685'

Perforations: 11,505-12,035, 10,464-11,452 (1989)

10,987-12,215 (1993)

#### **WELL HISTORY:**

10-25-89: Cleaned out to 12,481'

11-07-89: Perf 11,505-12,035 (17 intervals, 147', 147 holes)

11-20-89: Stim 11,505-12,035 with 7500 g 15% HCL

11-22-89: Stim 11,505-12,035 with 125,000 g gelled water with 22,500# 100 mesh

and 77,000# West Prop 1

12-01-89: Set CIBP at 11,490'

12-05-89: Perf 10,464-11,452 (38 intervals 364', 728 holes)

12-13-89: Stim 10,464-11,452 with 50,000 g 7.5% HCL

12-18-89 Production Log flowing 435 BOPD, 64 BWPD, 500-750 psi FTP

11242-11250 Water 11270-11290 Oil & Gas 11404-11414 Water

12-21-89: Drilled out CIBP at 11,490' and pushed junk down to 12,240'

05-15-90 Production Log flowing Rate?

11234-11290 Major oil & gas 11592-11600 Major water 11960-11982 Minor oil

- 06-11-91: Installed rod pumping equipment
- 08-19-93: Perforated additional Wasatch intervals from 10987-12215
- 08-21-93: Acidized 10464-12215 with 60,000 gal 15% HCL
- 09-10-93: Placed back on Rod Pump.
- 04-05-05: Replaced 640-405-156 Lufkin RM pumping unit with Rotaflex 1100
  - from Wisse 3-35A2. Lowered pump to 11,362' (PSN).

#### PROCEDURE:

- 1. RDMO pumping unit.
- 2. MIRU workover rig with pump and tank. Test the deadmen prior to moving in and rigging up.
- 3. POOH with rods & pump, 1.9" tubing sidestring, 2-7/8" production tubing.
- 4. Record fluid level and casing pressure.
- 5. TIH with a 6.059" bit and casing scraper (for 7", 29#/ft casing) on tubing to ~12,430' to clean out below 12,240'. Attempt to circulate fluid to surface. POOH.
- 6. Rig up wireline with a full lubricator and grease for pressure control. Perforate Wasatch 10,135'-12,402' overall in 9 intervals with 4-1/2" HSC guns as per perforation detail for stage 1. Correlate depths to Schlumberger's CBL dated 10-26-89. Monitor the fluid level and pressure while perforating.
- 7. TIH with 2-7/8" tubing and a 7" treating packer for **26#/ft** casing (packer to 10,050'), with 2,360' of 2-7/8" tailpipe below packer (end of tailpipe at ~12,410'). **Note-** Annular volume of 7", 29# casing and 2-7/8" tubing is 0.0291 BBI/ft or ~1.22 gal/ft.
- 8. If circulation was obtained in step 5, attempt to circulate produced fluid to surface. Pump 5,500 gallons of 15% HCl acid with standard additives (leaves ~2,500 gallons of acid between the tubing and casing). Shutdown and set the 7" treating packer at 10,050'. Pump the remaining 500 gallons of acid, then displace and overflush the acid by squeezing into the perforations 7,000 gallons of produced water.

- 8.b. If circulation was not obtained in step 5, circulate 12,000 gallons of produced water and set the 7" treating packer at 10,050'. Pump 6,000 gallons of 15% HCl acid with standard additives and flush the acid by squeezing into the perforations 8,000 gallons of produced water.
- 9. Swab test to determine rate, cut and fluid level. Swab until the pH is five or greater.
- 10. POOH with tubing, packer and tailpipe.
- 11. MIRU HES CTU and pump. RIH w/ Pulsonix tool and 2" CTU to ~12,400' to clean out wellbore. POOH. RDMO CTU.
- 12. TIH with 2-7/8" tubing and a 7" treating packer for 26#/ft casing and set at 10,050'.
- 13. Swab test to determine rate, cut and fluid level.
- 14. POOH with tubing and packer
- 15. Run production equipment and return to production for long-term production test. Final rod design and pump size will be based on the swab rates.
- 16. RDMO WO rig.

#### **STAGE 2 (FUTURE OPERATION)**

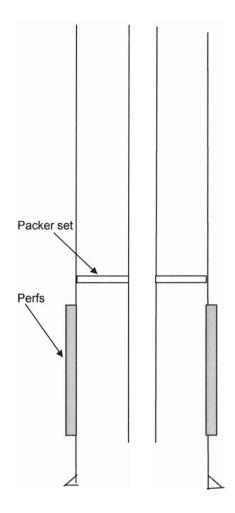
- 17. RDMO pumping unit.
- 18. MIRU workover rig with pump and tank.
- 19. POOH with rods & pump, 1.9" tubing sidestring, 2-7/8" production tubing.
- 20. Record fluid level and casing pressure.
- 21. Pick up a 7" cup type RBP with ball catcher (for 400 balls) and a 7" treating packer for 26# casing. TIH, set plug at ~10,100'. Set the packer at ~10,050' and test the plug to 3,500 psi. POOH with the packer.
- 22. Rig up wireline with a full lubricator and grease for pressure control. Perforate LGR 8,885'-10,060' overall in 12 intervals with 4-1/2" HSC guns as per perforation detail for stage 2. Correlate depths to Schlumberger's CBL dated 10-26-89. Monitor the fluid level and pressure while perforating.
- 23. TIH with 2-7/8" tubing and a 7" treating packer for 26#/ft casing and set at ~8,840'.

- 24. Swab test the interval prior to acidizing to determine the rate, oil cut and fluid level. Catch an oil sample for compatibility testing with the acid.
- 25. Acidize the interval with 5,000 gals of 15% HCl with standard additives and 400 7/8", 1.3 SG ball sealers for diversion. Treat at 8-10 BPM limiting the pressure not to exceed 10,000 psi differential across the plug at 10,100'. Use the fluid level from step 17 to determine the static pressure below the plug.
- 26. Swab test to determine rate, cut and fluid level. Swab until the pH is five or greater.
- 27. Release packer and POOH. TIH with tubing and retrieve the plug, POOH with plug.
- 28. Run production equipment. Final rod design and pump size will be based on the swab rates. RDMO WO Unit.

#### PERFORATION DETAIL ATTACHED SEPARATELY

4/8/2010 **Sherman 2-12B2** JDA **Stage 1- Acid Job** 

Total Acid Vol: 6,000 gals



#### **ACID PROCEDURE:**

- -Establish circulation with produced water.
- -Pump 5,500 gallons of 15% HCl acid.
- -Shutdown- Set packer
- -Pump 500 gallons of 15% HCl acid.
- -Displace acid & overflush with 7,000 gallons produced water.
- -Swab test well.

#### Wellbore data:

End of Int Casing: 12499 ft End of tbg @: 12410 ft PBTD: 12430 ft

#### Perforations data:

Top (existing): 10464 ft
Btm (existing): 12215 ft (Bottom open perf)
Top (new): 10135 ft

Btm (new): 12402 ft

#### Tubing data:

End of tubing: 12410 ft
Packer depth: 10050 ft
Tubing below pkr: 2360 ft

#### Capacities (bbl/ft)

Annulus of tbg-intermediateAnnulus of tbg&linerTubing
O.0291 bbls/ft
O.091 bbls/ft
O.59 gal/ft
O.24 gal/ft
O.24 gal/ft

#### Volume Calculations (bbls & gals)

Annulus of tbg-intermediateAnnulus of tbg&linerTubing
Annulus of tbg-intermediate0.0 bbls
0 gals
3023 gals

Total volume to packer- 140.7 bbls 5907 gals

Total volume in well- 433.1 bbls 18191 gals

#### DEVON ENERGY PRODUCTION COMPANY SHERMAN 2-12B2 STAGE 1 PROPOSED ADDITIONAL WASATCH PERFORATIONS.

#### **ALL PERFS in 7" CASING**

	Top of	Base of	NET	SPF	Holes	
	Interval	Interval				
	10135	10150	15	4	60	4-1/2" HSC
	10180	10195	15	4	60	4-1/2" HSC
1	10620	10650	30	4	120	4-1/2" HSC
	11076	11083	7	4	28	4-1/2" HSC
	11270	11290	20	4	80	4-1/2" HSC
	11410	11420	10	4	40	4-1/2" HSC
	11504	11509	5	4	20	4-1/2" HSC
	12031	12034	3	. 4	12	4-1/2" HSC
	12390	12402	12	4	48	4-1/2" HSC

Revised

Net Feet of New Perfs:	117
Number of Total New Intervals :	9
Number of New Holes:	468

Depth Reference: SLB's Cement Bond Log dated 10/26/1989

# DEVON ENERGY PRODUCTION COMPANY SHERMAN 2-12B2 STAGE 2 PROPOSED LOWER GREEN RIVER PERFORATIONS (FUTURE RECOMPLETION)

#### **ALL PERFS in 7" Casing**

#### NOTE- DV TOOL SET AT 9,685' - POOR CEMENT 8650'-9690'

Top of	Base of		NET	SPF	Holes	
Interval	Interval					
8885	8895	Poor cmt	10	4	40	4-1/2" HSC
8990	9002	Poor cmt	12	4	48	4-1/2" HSC
9024	9034	Poor cmt	10	4	40	4-1/2" HSC
9105	9118	Poor cmt	13	4	52	4-1/2" HSC
9246	9256	Poor cmt	10	4	40	4-1/2" HSC
9412	9434	Poor cmt	22	4	88	4-1/2" HSC
9458	9468	Poor cmt	10	4	40	4-1/2" HSC
9702	9712		10	4	40	4-1/2" HSC
9725	9733		8	4	32	4-1/2" HSC
9782	9792		10	4	40	4-1/2" HSC
9840	9854		14	4	56	4-1/2" HSC
10054	10060		6	4	24	4-1/2" HSC

Net Feet of New Perfs:		135
Number of Total New Inter	12	
Number of New Holes:		540

Depth Reference: SLB's Cement Bond Log dated 10/26/1989

	STATE OF UTAH		FORM 9				
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	G	5.LEASE DESIGNATION AND SERIAL NUMBER: FEE				
SUND	RY NOTICES AND REPORTS ON	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	sals to drill new wells, significantly deepen exis igged wells, or to drill horizontal laterals. Use A ·		7.UNIT or CA AGREEMENT NAME:				
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: SHERMAN 2-12B2				
2. NAME OF OPERATOR: DEVON ENERGY PROD CO LP			9. API NUMBER: 43013312380000				
3. ADDRESS OF OPERATOR: P.O. Box 290 8345 North 512		PHONE NUMBER: 5 552-7883 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0940 FSL 1680 FEL			COUNTY: DUCHESNE				
QTR/QTR, SECTION, TOWNSHI	P, RANGE, MERIDIAN: Township: 02.0S Range: 02.0W Meridian: U		STATE: UTAH				
11. CHE	CK APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPORT,	OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	✓ ACIDIZE	ALTER CASING	CASING REPAIR				
Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME				
6/3/2010	☐ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION				
Date of Work Completion:	☐ OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK				
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
SPUD REPORT Date of Spud:	✓ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
	☐ TUBING REPAIR ☐	VENT OR FLARE	WATER DISPOSAL				
DRILLING REPORT Report Date:	□ WATER SHUTOFF □	SI TA STATUS EXTENSION	APD EXTENSION				
Report Butc.	☐ WILDCAT WELL DETERMINATION ☐	OTHER	OTHER:				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  Subsequent report for Notice of Intent dated 4/23/2010 and approved on 5/3/2010. Cleanout to 12,456'. Perforate Wasatch 10,135 - 12,402', 117', Accepted by the intervals, 468 holes. Set pkr @ 10,035', swab test new perfs. Acidize perfs which Division of 6000 gals 15% HCL acid w/ standard additives. Swab test. Release & LD poil, Gas and Mining @ 10,035'. Set 7" RBP @ 10,100'. Perforate Lower Green River 8,84 Corp. 10,060', 135', 12 intervals, 540 holes. Set 7" pkr @ 8,840'. Swab test. Acidize w/ 5000 gals 15% HCL acid w/ standard additives and 400 perfpac 7/8 OD ball sealers for diversion. Swab test. Release and LD pkr @ 8,840'. Return to production from Lower Green River perforations 8,885 - 10,060'.							
NAME (PLEASE PRINT) Deanna Bell	<b>PHONE NUMBER</b> 435 353-5780	TITLE Senior Field Technician					
SIGNATURE	+33 333-3700	DATE					
N/A		7/7/2010					



### DDA SHERMAN 2-12B2 01

devon	OH - Property #: 063069-0
Vell Chronology	

Well Chronology								
District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL		Project Gr UINTA	oup		State/Province UT	
Surface Legal Location 12-0-S 2-W-6	API/UWI 4301331238	Latitude (DMS) 40° 19' 8.89" N	Longitude (DMS) 110° 32' 44.9		round Elev KE 5,210.60	3 - GL (ft) 27.30	Orig KB Elev (ft) 5,237.90	TH Elev (ft) 0.00
Job Category RECOMPLETION		mary Job Type OMPLETION			Secondary J			
Job Start Date 6/2/2010 06:00	Job End Date 6/3	/2010 06:00	AFE Number	154260	,	Total AF	E + Sup Amount 273	3,950
Contractor, Rig Name	•	Rig Number		Rig Type				
Contractor, Rig Name STONE WELL SERVICE LLC		Rig Number	5	Rig Type WO/CC	MP/PU-ONS	SHORE		
Contractor, Rig Name STONE WELL SERVICE LLC		Rig Number	5	Rig Type				
Job Phase	Act Dur	(days) PI Cum Days ML 1.00	(days) Actual	Phase Cos 2,4	80.00 Planne	ed Likely Phas	se Cost	Cost Var ML
Report # 1	***							
Report Start Date 4/26/2010 06:00	Report End Date 4/27/2010 06:0	Daily Cost	5,272	Cum Co	ost To Date 5,272	2	Depth End	(fikb) 0.0

Time Log Summary

C.T. - JSA MEETING - ROADING RIG

ROAD RIG 5 & EQUIP 11MILES TO THE SHERMAN 2-12B2 - SLIDE ROTO-FLEX OUT OF THE WAY - MIRU - PUMP 100BBLS HOT H20 DOWN CSG AND 50BBLS DOWN 1.9" TBG - UNSEAT PUMP & FLUSH RODS W/100BBLS OF HOT H2O - POOH W/RODS UNTILL THEY BECAME OILY - FLUSH RODS W/70BBLS OF HOT H2O - FINISH POOH W/RODS - L.D. PUMP & DIP TUBE X-OVER TO 1.9" TBG EQUIP - N.D. WELLHEAD - N.U.

3' X 5K SPOOL & BOPS - R.U. WORKFLOOR - BE READY TO PULL SIDE STRING IN A.M. - SWIFN **SDFN** 

C.T.

11 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

Report # 2					
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End	(ftKB)
4/27/2010 06:00	4/28/2010 06:00	5,252	10,524		0.0
Time Lee Cummer					

C.T. - JSA MEETING - N.D. BOPS

CHECK PSI; 150# SIWP - BLEED OFF WELL - POOH W/213JTS OF 1.90" TBG - L.D. STINGER - C/O TO 2 7/8" TBG EQUIP - TIE RIG TO SINGLE LINE - N.D. BOPS - RELEASE TAC - N.U. BOPS - POOH W/200JTS OF 2 7/8" TBG - FLUSH TBG W/70BBLS OF HOT H20

POOH W/229JTS OF 2 7/8" TBG - L.D. CIRC SHOE - CONT. TO POOH W/136JTS OF 2 7/8" TBG - L.D. TAC -

POOH W/1JTS OF 2 7/8" TBG - L.D. PSN & 2JTS OF 3 1/2" TBG - SWIFN

SDFN

C.T.

12 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

Report # 3	10-1			
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
4/28/2010 06:00	4/29/2010 06:00	6,218	16,742	0.0

Time Log Summary

C.T. - JSA MEETING - HYDRO-TESTING

CHECK PSI; 100# SIWP - BLEED OFF WELL - R.U. HYRDO-TESTER - P.U. & M.U. 7" BIT & SCRAPPER, RIH W/BIT SUB, 2 7/8" PSN, BEGIN HYDRO-TESTING, TESTED 393JTS OF 2 7/8" TBG - BLEW UP 1 JT(JT #202) TAGGED FILL @+-12,210' - R.D. HYDRO-TESTER - POOH W/10JTS OF 2 7/8" TBG - RACK OUT PUMP & LINES - SWIFN - EOT@+-11,893'

SDFN

C.T.

10 HRS RIG 1 HR TRAVEL THANK YOU!! - 24

> Page 1/6 RECEIVED July 07, 2010



WEST UNRESTRICTED

0.0

Well Chronology

County Field Name Project Group State/Province **ROCKY MOUNTAIN** DUCHESNE BLUFBFLL UINTA UT Surface Legal Location API/UWI atitude (DMS) Longitude (DMS) Ground Elev KB - GL (ft) Orig KB Elev (ft) TH Elev (ft) 12-0-S 2-W-6 4301331238 40° 19' 8.89" N 110° 32' 44.95" E 5,210.60 27.30 5 237 90 0.00 Report # 4 Report Start Date Report End Date **Daily Cost** Cum Cost To Date Depth End (ftKB)

12,859

29,601

4/29/2010 06:00 Time Log Summary

C.T. - JSA MEETING - POWER SWIVEL

4/30/2010 06:00

CHECK PSI - 25# SITP; 25# SIWP - BLEED OF WELL - RIH W/9JTS OF 2 7/8" TBG - EOT@+-12,179' - R.U. RIG PUMP - TOOK 390BBLS TO CATCH CIRC. - CIRC OIL & GAS OUT OF WELL - R.U. PWR SWVL - SWVL DOWN 6JTS OF 2 7/8" TBG - TAGGING HARD @+-12,336' - SEEN A LOT OF FRAC SAND IN RETURNS - CIRC WELL CLEAN - R.D. PWR SWVL & PUMP - POOH W/398JTS OF 2 7/8" TBG - L.D. SCRAPPER - SWIFN - SDEN

C.T.

13 HRS RIG 1 HR TRAVEL THANK YOU!! - 24

Report # 5
Report Start Dat

 Report Start Date
 Report End Date
 Daily Cost
 Cum Cost To Date
 Depth End (RKB)

 4/30/2010 06:00
 5/1/2010 06:00
 7,748
 37,349
 0.0

C.T. - JSA MEETING - TRIP HAZARDS

CHECK PSI; 25# SITP; 25# SICP - BLEED OFF WELL - N.D. BOPS - LANDING PIN BROKE - REMOVED BROKEN LANDING PIN - N.U. BOPS - RIH W/6"
BIT,BIT\_SUB,2 7/8"PSN,& 398JTS 2 7/8" TBG - TAG FILL AT +- 12,336' - RIG UP PWR SWVL & PUMP - 600BBLS TO CATCH CIRC - CLEANED OUT TO +-12,456 > LOST 996BBLS - R.D. PWR SWVL & PUMP - POOH W/180JTS 2 7/8" TBG - SWIFN - EOT+-6,876'
SDFN

C.T.

13 HRS RIG 1 HR TRAVEL

THANK YOU!!!! - 24

| Report # 6 | Report Start Date | Cum Cost To Date | Depth End (ftKB) | 5/3/2010 06:00 | 5/4/2010 06:00 | 23,422 | 60,771 | 0.0

Time Log Summary

C.T. - JSA MEETING - PERFORATING

CHECK PSI; 350# SITP; 390# SICP; - BLEED OFF WELL - POOH W/222 JTS OF 2 7/8" TBG - L.D. BIT AND BIT SUB - R.U. PERFORATING TRUCK - PERFORATE THE WASATCH ZONE FROM 10,135' TO 12,402' - 117' OF NEW PERFS, TOTAL OF 9 INTERVALS & 468 HOLES - FLUID LEVEL ON LAST RUN WAS +-8300' - R.D. WIRELINE TRUCK - P.U. & M.U. 2 7/8" COLLAR, RIH W/2 7/8" PSN, 77 JTS OF 2 7/8" TBG, 7" PACKER, & 324 JTS OF 2 7/8" TBG - SWIFN - EOT@+-12,429'

**SDFN** 

C.T.

12 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

C.T. - JSA MEETING - RIG PUMP

CHECK PSI; 25# SITP & SICP; BLEED OFF WELL - R.U. RIG PUMP - TOOK 411 BBLS TO CATCH CIRC - CIRC OIL & GAS OUT OF WELL - SET PACKER @+-10,035' - EOT @+-12,424' - PSI TEST PACKER & CSG TO 1000#, HELD GOOD TEST - SWIFN - WAITING ON PARTS FOR SANDLINE DRUM -

SDFN C.T

4 HRS RIG

1 HR TRAVEL

THANK YOU!! - 24

Page 2/6



## **BBA SHERMAN 2-12B2**

OH - Property #: 063069-001

Well Chronology

County Field Name Project Group State/Province **ROCKY MOUNTAIN DUCHESNE** BLUEBELL UINTA UT Ground Elev ... KB - GL (ft) Surface Legal Location API/LIWI Latitude (DMS) Longitude (DMS) Orig KB Elev (ft) 'TH Elev (ft) 12-0-S 2-W-6 4301331238 40° 19' 8.89" N 110° 32' 44.95" E 5,210.60 27.30 5,237.90 Report #8 Report End Date Daily Cost Cum Cost To Date Depth End (ftKB) Report Start Date 3.872 0.0 5/6/2010 06:00 68.615 5/5/2010 06:00 Time Log Summary

C.T. - JSA MEETING - SWABBING

CHECK PSI; 0# SITP; 950# SICP; BLEED OFF CSG(CSG BLEED OFF QUICKLY) - R.U. SWAB EQUIP - START SWABBING @8AM - S.F.L. @+- 8600' -MADE 13 SWAB RUNS - SWABBED BACK 67BBLS OF FLUID W/ A TRACE OF OIL ON EACH RUN - E.F.L. @+-11,000 - LAST RUN MADE AT 4:30PM -R.D. SWAB EQUIP - SWIFN

SDFN

C.T.

10 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

Report # 9				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/6/2010 06:00	5/7/2010 06:00	13,651	82,266	0.0

**CREW TRAVEL - JSA MTG: HIGH PRESSURES** 

SITP 0 PSI, SICP 0 PSI, RU HALLIBURTON, PUMP 130 BBL IN NEW PERFS PER JOB DESIGN, UNSET PKR, PUMP 142 BBL 15% HCL, SET PKR, FLUSH W/ 170 BBL WTR @ 7 BPM @ 3800 PSI. ISIP - 3950 PSI. 5, 10, 15 MIN TEST 0 PSI.

SWAB WELL, MADE 12 RUNS, REC 51 BBL WTR, PH - 7 FM 10600'.

SIWFN, CREW TRAVEL - 24

Report # 10							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
5/7/2010 06:00	5/8/2010 06:00	4,127	86,393	0.0			
T' 1 0							

CREW TRAVEL-JSA MTG ON BLEEDING OFF WELL.

SICP 100# SITP 0 - BLEED OFF CSG. R/U SWAB EQUIP & SWAB TBG. SFL @ 11672 MADE 5 RUNS & 2 BBLS. EFL@ 11822. L/D SWAB EQUIP.

PUMP 65 BBLS DOWN TBG. RELEASE PKR. TOOH W/ 324 JTS 2 7/8 TBG, PKR, 77 JTS 2 7/8 TBG, PSN, & COLLAR. 1/2 HR RIG TIME DISCOUNT FOR RIG REPAIR ON TBG TONGS.

SIWFN . CREW TRAVEL - 24

Report # 11							
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)			
5/10/2010 06:00	5/11/2010 06:00	6,295	92,688	0.0			
Time Log Summary				*			

CREW TRAVEL-JSA MTG ON SHUTING IN WELL

SICP 300 PSI, BLEED OFF WELL. TIH W/ 7" RBP, RET HEAD, PSN, & 327 JTS 2 7/8" TBG TO 10100. SET RBP @ 10100. FILL W/ RIG PUMP 350 BBLS. PRESSURE TEST RBP @ 1000 PSI FOR 30 MIN. TRICKLE 200# OF SAND DOWN TBG. FLUSH W/ 52 BBLS WATER TOOH W/ 327 JTS 2 7/8" TBG. PSN & RET HEAD.

SIWFN CREW TRAVEL - 24

Report # 12					
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)	
5/11/2010 06:00	5/12/2010 06:00	22,572	115,260	0.0	
Time Log Summary		'			

CREW TRAVEL - JSA MTG ON PERFORATING

0 PSI ON CSG. R/U PERFORATOR & PERF 1 ST RUN F/ 9782 TO 10060. 2 ND RUN F/ 9458 TO 9733. 3 RD RUN F/ 9246 TO 9434. 4 RTH RUN F/ 9024 TO 9118

5 TH RUN F/ 8885 TO 9002. NET FEET OF NEW PERFS 135. NUMBER OF TOTAL NEW INTERVALS 12. NUMBER OF NEW HOLES 540. R/D PERFORATOR.

TIH W/ 7" PKR & 286 JTS OF 2 7/8" TBG TO 8840'

SET PKR W/ 24K COMPRESSION. PRESSURE TEST PKR @ 1000 PSI FOR 15 MIN.

SIWFN - CREW TRAVEL - 24

Page 3/6



WEST UNRESTRICTED

aevon

Well Chronology

District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL			State/Province UT		
Surface Legal Location 12-0-S 2-W-6	API/UWI 4301331238	Latitude (DMS) 40° 19' 8.89" N	Longitude (DMS) 110° 32' 44.95" E	Ground Elev KB - GL (ft) 5,210.60 27.30	Orig KB Elev (ft) TH Elev (ft) 5,237.90 0.00		
Report # 13							
Report Start Date	Report End Date	Daily Cost	Cun	n Cost To Date	Depth End (ftKB)		
<b>5/1</b> 2/2010 06:00	5/13/2010 06:00	3,672		118,932	0.0		
Time Log Summary	ING ON SWABBING		,	,			

0 PSI ON CSG. 1500 PSI ON TBG. BLEED OFF WELL. SWAB TBG. SFL @ SURFACE. MADE 14 RUNS & 84 BBLS. 90% OIL CUT. EFL @ 6823'. R/D LUB. SIWFN 1/2 HR CREW TRAVEL - 24

Report # 14				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/13/2010 06:00	5/14/2010 06:00	16,583	135,514	0.0
Time Lee Common				

CREW TRAVEL - JSA MEETING W/ HALLIBURTON

R/U HALLIBURTON & PUMP 5000 GAL OF 15% HCI. 9811 GAL WATER. PUMP W/ AVERAGE PRESSURE 4750 PSI. HOLD 1000 PSI ON CSG W/ RIG PUMP ISIP 2653 PSI. 5 MIN 2265 PSI. 10 MIN 2130 PSI. 15 MIN 2059 PSI. R/D HALL. SHUT WELL IN FOR 1 HR. 1750 PSI ON TBG. BLEED OFF. FLOW BACK 10 BBLS OF WATER. SWAB TBG. SFL @ SURFACE. MADE 13 RUNS & 127 BBLS. EFL @ 4200.

SIWFN. CREW TRAVEL - 24

Report # 15				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/14/2010 06:00	5/15/2010 06:00	3,598	139,112	0.0
Time Log Summary				

C.T. - JSA MEETING - SWABBING

CHECK PSI - 1250# SITP; 0#SICP - OPEN TBG ON A 32/64 CHOKE TO FRAC MASTER - FLOWED FOR 1 1/2 HRS - FLOWED BACK +-20BBLS OF FLUID - HAD A 100% OIL CUT ON FLUID - R.U. SWAB EQUIP - S.F.L @+-1200' - MADE 12 SWAB RUNS - SWABBED BACK +-71BBLS OF FLUID - E.F.L. @+-6700' - 100% OIL CUT ON LAST RUN - R.D. SWAB EQUIP - SWIFN

SDFN

C.T.

9 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

Report # 16				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/17/2010 06:00	5/18/2010 06:00	5,052	144,164	0.0

C.T. - JSA MEETING - TOOH W/TBG

CHECK PSI - 1600# SITP; 0# SICP - OPEN UP TBG TO FRAC MASTER - FLOWED FOR 2 HRS - RELEASE PACKER - TBG FLOWED FOR ANOTHER 1/2 HR - FLOWED A TOTAL OF +-80BBLS OF OIL - POOH W/286 JTS OF 2 7/8" TBG - L.D. 7" PACKER & PSN - RIH W/80JTS OF 2 7/8" TBG - EOT @+-2448' -SWIFN

SDFN C.T.

10 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

Page 4/6



Well Chronology

Field Name Project Group State/Province County UINTA LIT ROCKY MOUNTAIN DUCHESNE BLUEBELL Surface Legal Location API/I IWI Latitude (DMS) Longitude (DMS) KB - GL (ft) Orig KB Elev (ft) Ground Elev . 110° 32' 44.95" E 5,210.60 ó oo 12-0-S 2-W-6 4301331238 40° 19' 8.89" N 27.30 5,237.90 Report # 17 Report Start Date Report End Date Daily Cost Cum Cost To Date Depth End (ftKB) 5/18/2010 06:00 5/19/2010 06:00 5.825 149.989 0.0 Time Log Summar

C.T. -JSA MEETING - SLIP HAZARDS

CHECK PSI: 450# SITP: 300# SICP: OPEN TBG & CSG TO FRAC MASTER - FLOWED BACK +-30BBLS - PUMP 20BBLS DOWN TBG - CSG FLOWED **ANOTHER 10 BBLS** 

L.D. 79 JTS OF 2 7/8" TBG - P.U. & M.U. 3 1/2" BULL PLUG, RIH W/2 JTS OF 3 1/2" HD-LOCKIT(TOP JT PERFORATED), C/O 3 1/2" HD-LOCKIT X 3 1/2" 8RD, C/O 3 1/2" 8RD X 2 7/8" 8RD, NEW 2 7/8" PSN, 1 JT OF 2 7/8" TBG, 7" GRACO TAC, 91 JTS OF 2 7/8" TBG

7" WALS CIRC SHOE, 229 JTS OF 2 7/8" TBG - HAD TO PUMP 40BBLS OF H2O DOWN TBG W/208JTS IN TO KILL WELL - CSG WAS FLOWING DURING TIH - N.D. BOPS - SET TAC W/18K TENSION - COULDN'T LAND HANGER ON ONE ALIGNMENT PIN - RELEASE TAC - N.U. BOPS - STEAM OFF BOPS AND CLEAN OUT CELLAR - SWIFN

SDFN

C.T.

**11.5 HRS RIG** 1 HR TRAVEL

THANK YOU!! - 24

Report # 18				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/19/2010 06:00	5/20/2010 06:00	-4,834	145,155	0.0

C.T. -JSA MEETING - FIRE HAZARDS

CHECK PSI - 400# SITP; 450# SICP - OPEN WELL TO FRAC MASTER - FLOWED BACK +-15BBLS OF FLUID - REMOVE ALIGNMENT PIN FROM WELLHEAD - WAIT FOR DIFFERENT ALIGNMENT PIN - N.D. BOPS - SET TAC W/20K TENSION - LAND ON A SPLIT HANGER - N.U. BOPS - X-OVER TO 1.9"TBG EQUIP - P.U. & M.U. 1.9" STINGER, RIH W/62 JTS OF 1.9" TBG - CSG STARTED TO FLOW - PUMP 70BBLS H20 DOWN 1.9" TBG - CONT. RIH W/150JTS OF 1.9" TBG, & 2',3',4',4',& 6'X1.9" 10RD PUP JTS TO SPACE WITH - LAND ON A SPLIT HANGER W/10K COMPRESSION -N.D. BOPS - POUR 15# OF SCALE PELLETS DOWN 2 7/8

TBG - N.U. WELLHEAD - X-OVER TO ROD EQUIP - SWIFN

SDEN

C.T.

12 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

Report # 19				CONTRACT TO BE
Report Start Date 5/20/2010 06:00	Report End Date 5/21/2010 06:00	Daily Cost 6,530	Cum Cost To Date 151.684	Depth End (ftKB) 0.0
Time Log Summary	3/21/2010 00:00	0,300	131,004	1 0.0

C.T. -JSA MEETING - ROADING RIG

FLUSH 2 7/8" TBG W/70BBLS HOT H2O - STEAM CLEAN EQUIP & PUMPING UNIT W/HOT OILER - P.U. & PRIM 34' RHBC PUMP, M.U. 21' X 1 1/4" DIP, TUBE MULL SHOE, RIH W/3' STAB SUB, 171 PLAIN 3/4", 123 PLAIN 7/8", 101 PLAIN 1", & 8'X4'X1" PONIES TO SPACE WITH - P.U. NEW 36' X 1 1/2" POLISH ROD - TBG WAS FULL - PSI TEST TO 1000#, HELD - BLEED OFF & STROKE TEST PUMP W/RIG TO 1000#, HELD, GOOD TEST - PUMP 10BBLS DIESEL DOWN 1.9" TBG - R.D. RIG 5 & EQUIP - SLIDE IN ROTAFLEX PUMPING UNIT

HANG WELL ON UNIT - ROAD RIG & EQUIP 5.8 MILES TO THE LORANGER 2-24A2 - SLIDE UNIT BACK - R.U. RIG 5 & EQUIP -

SDFN

C.T.

12 HRS RIG 1 HR TRAVEL THANK YOU!! - 24

Report # 20 Report End Date **Daily Cost** Cum Cost To Date Depth End (ftKB)

Report Start Date 5/27/2010 06:00 5/28/2010 06:00 2,480 0.0 154,164 Time Log Summan

SLIDE ROTÓ-FLEX BACK - MIRU - PUMP 50BBLS DOWN S.STRING - UNSEAT PUMP - POOH W/101 SLICK 1", 124 SLICK 7/8", & 24 SLICK 3/4" - FLUSH RODS W/30BBLS HOT H2O - FINISH POOH W/146 SLICK 3/4" RODS - L.D. PUMP & DIP TUBE - SWIFIN SDFN

C.T.

4 HRS RIG 1/2 HR TRAVEL THANK YOU!! - 24

Page 5/6



#### **WEST UNRESTRICTED**

devon

BBA SHERMAN 2-12B2
OH - Property #: 063069-001

Well Chronology

Field Name Project Group State/Province County **ROCKY MOUNTAIN** UΤ **DUCHESNE** BLUEBELL UINTA Surface Legal Location API/HW Latitude (DMS) Longitude (DMS) Ground Elev ... KB - GL (ft) Orig KB Elev (ft) 12-0-S 2-W-6 40° 19<sup>1</sup> 8.89" N 110° 32' 44.95" E 5,210.60 4301331238 5,237.90 0.00 Report # 21 Report End Date Daily Cost Cum Cost To Date Depth End (ftKB) 5/28/2010 06:00 5/29/2010 06:00 4.352 158.516 0.0

Time Log Summary

C.T. - SAFETY MEETING - ROADING RIG

POUR 15# SCALE PELLETS & 10 GALS ROD CHEMICAL DOWN 2 7/8" TBG - P.U. & PRIM PUMP, M.U. 21' DIP TUBE MULE SHOE, RIH W/3' STAB SUB, 170 SLICK 3/4", 124 SLICK 7/8", 101 SLICK 1", & 1X8',2X4'X1" PONIES TO SPACE WITH - P.U. 36' POLISH ROD - FILL TBG W/10BBLS H2O - PSI TEST TO 1000# HELD - BLEED OFF & STROKE TEST PUMP W/RIG TO 1000#, HELD - R.D. RIG5 & EQUIP - SLIDE IN ROTA -FLEX & HANG WELL OFF - ROAD RIG 7 MILES TO THE STATE 3-18A2 -

5 HRS RIG 1/2 HR TRAVEL

THANK YOU!! - 6

Report # 22				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
<b>6/2/2010 0</b> 6:00	6/3/2010 06:00	9,726	168,242	0.0
Time Log Summary				

C.T. - SAFETY MEETING - LOTO

UNSEAT PUMP - FLUSH RODS W/100BBLS OF HOT H2O - POOH W/101 PLAIN 1", 124 PLAIN 7/8", & 170 PLAIN 3/4" - L.D. OLD PUMP(PUMP STUCK IN UP STROKE POSITION) - POUR 10GALS OF ROD CHEMICAL & CHASE W/50BBLS OF H2O - P.U. & PRIM 36.5' RHBC PUMP, M.U. 21'X1 1/4" DIP TUBE W/SCREEN, RIH W/3' STAB SUB, 170 PLAIN 3/4", 124 PLAIN 7/8", 101 PLAIN 1", & 1X6',2X4'X1" PONIES TO SPACE WITH - P.U. NEW 36' POLISH ROD W/NEW DELTA SPOOL - TOOK 20BBLS TO FILL TBG - PSI TEST TO 1000#, HELD - BLEED OFF & STROKE TEST PUMP W/RIG TO 1000#, HELD, GOOD TEST - R.D. RIG 5 & EQUIP - SLIDE IN ROTA-FLEX PUMPING UNIT & HANG OFF WELL - RETURN TO PRODUCTION - ROAD RIG 8 MILES TO THE SDFN

C.T.

12.5 HRS RIG 1.5 HRS TRAVEL THANK YOU!! - 24

Page 6/6

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: FEE
SUND	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	sals to drill new wells, significantly deepen ex igged wells, or to drill horizontal laterals. Use		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: SHERMAN 2-12B2
2. NAME OF OPERATOR: DEVON ENERGY PROD CO LP			9. API NUMBER: 43013312380000
3. ADDRESS OF OPERATOR: P.O. Box 290 8345 North 512		NUMBER: 05 552-7883 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0940 FSL 1680 FEL	TO DANCE MEDITANA		COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSE Section: 12	Township: 02.0S Range: 02.0W Meridian: U		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	✓ ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME
✓ SUBSEQUENT REPORT	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
Date of Work Completion: 8/27/2010	☐ DEEPEN ☐  Depart Change ☐	☐ FRACTURE TREAT ☐ PLUG AND ABANDON	☐ NEW CONSTRUCTION ☐ PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	✓ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	VENT OR FLARE	□ WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF ☐	SI TA STATUS EXTENSION	APD EXTENSION
Report Date.	☐ WILDCAT WELL DETERMINATION ☐	OTHER	OTHER:
12 DESCRIBE BRODOSED OR CO	MPLETED OPERATIONS. Clearly show all pertin		<u>,                                    </u>
Amend subseque 4/23/10. Packer so standard additives 8839'. Return to p 10,060'. Atta	nt report dated 7/7/10 and for et @ 8839'. Acidize with 5000 g and 400 perfpac 7/8 OD rubber roduction from Lower Green Riv chment: well chronology 04/26/	Notice of Intent dated als 15% HCL acid with A Release and LD pkr @ Lear perforations 8,885 oil /10 to 08/27/2010 FOR	accepted by the Utah Division of
NAME (PLEASE PRINT) Deanna Bell	<b>PHONE NUMBER</b> 435 353-5780	TITLE Senior Field Technician	
SIGNATURE N/A		<b>DATE</b> 10/5/2010	

### devon

#### BBA SHERMAN 2-12B2 OH - Property #: 063069-001

WEST UNRESTRICTED

Well Chronology

District	County			Field Name		Project G	Group		State	e/Province	
ROCKY MOUNTAIN	DUCHESN	ŀΕ		BLUEBELL		UINTA			UT		
Surface Legal Location	API	/UWI	Li	atitude (DMS)	Longitude (DMS	) (	Ground Elev	KB - GL (ft)	Orig KI	B Elev (ft)	TH Elev (ft)
12-0-S 2-W-6	43	01331238	4	0° 19' 8.89" N	110° 32' 44.	95" E	5,210.60	27.30	5,2	237.90	0.00
Job Category			Primary Job 1	Гуре			Seconda	ry Job Type			
RECOMPLETION			COMPLE	TION			ADD F	AY			
Job Start Date	Job	End Date			AFE Number			Tota	I AFE + SL	p Amount	
6/2/2010 06:00		8/	27/2010 1	8:00		154260	0			273	3,950
Contractor, Rig Name				Rig Number		Rig Type					
Contractor, Rig Name	-			Rig Number		Rig Type					
STONE WELL SERVICE LLC				<del>-</del>	5		OMP/PU-C	NSHORE			
Contractor, Rig Name				Rig Number		Rig Type					
PEAK WELL SERVICE				9	00		OMP/PU-O	<b>NSHORE</b>			
Job Phase		Act D	ur (days)	PI Cum Days ML	(days) Actua	al Phase Co	st Pla	nned Likely F	hase Cost		Cost Var ML
			93.0	0		66,8	305.69				
Report # 1											
Report Start Date	Report End D	ate		Daily Cost		Cum C	Cost To Date			Depth End	(ftKB)
4/26/2010 06:00	4/2	27/2010 06	3:00		5,272		5,	272			0.0
Time Log Summary											
C.T JSA MEETING - ROADII	NG RIG										

ROAD RIG 5 & EQUIP 11MILES TO THE SHERMAN 2-12B2 - SLIDE ROTO-FLEX OUT OF THE WAY - MIRU - PUMP 100BBLS HOT H2O DOWN CSG AND 50BBLS DOWN 1.9" TBG - UNSEAT PUMP & FLUSH RODS W/100BBLS OF HOT H2O - POOH W/RODS UNTILL THEY BECAME OILY - FLUSH RODS W/70BBLS OF HOT H2O - FINISH POOH W/RODS - L.D. PUMP & DIP TUBE

X-OVER TO 1.9" TBG EQUIP - N.D. WELLHEAD - N.U.

3' X 5K SPOOL & BOPS - R.U. WORKFLOOR - BE READY TO PULL SIDE STRING IN A.M. - SWIFN SDFN

C.T.

11 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

Report # 2				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
4/27/2010 06:00	4/28/2010 06:00	5,252	10,524	0.0
Time Los Cummons	•			

C.T. - JSA MEETING - N.D. BOPS

CHECK PSI; 150# SIWP - BLEED OFF WELL - POOH W/213JTS OF 1.90" TBG - L.D. STINGER - C/O TO 2 7/8" TBG EQUIP - TIE RIG TO SINGLE LINE - N.D. BOPS - RELEASE TAC - N.U. BOPS - POOH W/200JTS OF 2 7/8" TBG - FLUSH TBG W/70BBLS OF HOT H2O

POOH W/229JTS OF 2 7/8" TBG - L.D. CIRC SHOE - CONT. TO POOH W/136JTS OF 2 7/8" TBG - L.D. TAC -

POOH W/1JTS OF 2 7/8" TBG - L.D. PSN & 2JTS OF 3 1/2" TBG - SWIFN

**SDFN** 

C.T.

12 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

Report # 3				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
4/28/2010 06:00	4/29/2010 06:00	6,218	16,742	0.0
Time Log Summary			4	

C.T. - JSA MÉETING - HYDRO-TESTING

CHECK PSI; 100# SIWP - BLEED OFF WELL - R.U. HYRDO-TESTER - P.U. & M.U. 7" BIT & SCRAPPER, RIH W/BIT SUB, 2 7/8" PSN, BEGIN HYDRO-TESTING, TESTED 393JTS OF 2 7/8" TBG - BLEW UP 1 JT(JT #202)
TAGGED FILL @+-12,210' - R.D. HYDRO-TESTER - POOH W/10JTS OF 2 7/8" TBG - RACK OUT PUMP & LINES - SWIFN - EOT@+-11,893'

SDFN

C.T.

10 HRS RIG 1 HR TRAVEL THANK YOU!! - 24

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RECEIVED October 05, 2010



**WEST UNRESTRICTED** 

Well Chronology

County Field Name Project Group State/Province UINTA **ROCKY MOUNTAIN** UT DUCHESNE BLUEBELL Surface Legal Location API/UWI Latitude (DMS) Longitude (DMS) Ground Elev ... KB - GL (ft) Orig KB Elev (ft) TH Elev (ft) 4301331238 40° 19' 8.89" N 110° 32' 44.95" E 0.00 12-0-S 2-W-6 5,210.60 27.30 5,237.90 Report #4 Report Start Date Report End Date **Daily Cost** Cum Cost To Date Depth End (ftKB) 4/29/2010 06:00 4/30/2010 06:00 12,859 29,601 0.0

Time Log Summary

C.T. - JSA MEETING - POWER SWIVEL

CHECK PSI - 25# SITP; 25# SIWP - BLEED OF WELL - RIH W/9JTS OF 2 7/8" TBG - EOT@+-12,179' - R.U. RIG PUMP - TOOK 390BBLS TO CATCH CIRC. - CIRC OIL & GAS OUT OF WELL - R.U. PWR SWVL - SWVL DOWN 6JTS OF 2 7/8" TBG - TAGGING HARD @+-12,336' - SEEN A LOT OF FRAC SAND IN RETURNS - CIRC WELL CLEAN - R.D. PWR SWVL & PUMP - POOH W/398JTS OF 2 7/8" TBG - L.D. SCRAPPER - SWIFN -SDFN

C.T.

13 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

Report # 5				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
4/30/2010 06:00	5/1/2010 06:00	7,748	37,349	0.0
Time Log Summary				

C.T. - JSA MEETING - TRIP HAZARDS

CHECK PSI; 25# SITP; 25# SICP - BLEED OFF WELL - N.D. BOPS - LANDING PIN BROKE - REMOVED BROKEN LANDING PIN - N.U. BOPS - RIH W/6" BIT,BIT SUB,2 7/8"PSN,& 398JTS 2 7/8" TBG - TAG FILL AT +- 12,336' - RIG UP PWR SWVL & PUMP - 600BBLS TO CATCH CIRC - CLEANED OUT TO +-12,456 - LOST 996BBLS - R.D. PWR SWVL & PUMP - POOH W/180JTS 2 7/8" TBG - SWIFN - EOT+-6,876 SDFN

C.T.

13 HRS RIG 1 HR TRAVEL

THANK YOU!!!! - 24

Report # 6				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/3/2010 06:00	5/4/2010 06:00	23,422	60,771	0.0

Time Log Summary C.T. - JSA MEETING - PERFORATING

CHECK PSI; 350# SITP; 390# SICP; - BLEED OFF WELL - POOH W/222 JTS OF 2 7/8" TBG - L.D. BIT AND BIT SUB - R.U. PERFORATING TRUCK - PERFORATE THE WASATCH ZONE FROM 10,135' TO 12,402' - 117' OF NEW PERFS, TOTAL OF 9 INTERVALS & 468 HOLES - FLUID LEVEL ON LAST RUN WAS +-8300' - R.D. WIRELINE TRUCK - P.U. & M.U. 27/8" COLLAR, RIH W/27/8" PSN, 77 JTS OF 27/8" TBG, 7" PACKER, & 324 JTS OF 27/8" TBG SWIFN - EOT@+-12,429'

**SDFN** 

C.T.

12 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

(INCOULT I				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/4/2010 06:00	5/5/2010 06:00	3,972	64,743	0.0

C.T. - JSA MEETING - RIG PUMP

CHECK PSI; 25# SITP & SICP; BLEED OFF WELL - R.U. RIG PUMP - TOOK 411 BBLS TO CATCH CIRC - CIRC OIL & GAS OUT OF WELL - SET PACKER @+-10,035' - EOT @+-12,424' - PSI TEST PACKER & CSG TO 1000#, HELD GOOD TEST - SWIFN - WAITING ON PARTS FOR SANDLINE DRUM -

SDFN

C.T.

4 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

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WEST UNRESTRICTED

Well Chronology

District	County	Field Name	Project Group	State/Province
ROCKY MOUNTAIN	DUCHESNE	BLUEBELL	UINTA	UT
Surface Legal Location 12-0-S 2-W-6	API/UWI 4301331238		gitude (DMS) Ground Elev KB - GL (ft) 0° 32′ 44.95″ E 5,210.60 27.30	Orig KB Elev (ft) TH Elev (ft) 5,237.90 0.00
Report # 8				
Report Start Date 5/5/2010 06:00	Report End Date 5/6/2010 06:00	Daily Cost 3,872	Cum Cost To Date 68,615	Depth End (ftKB) 0.0
Time Log Summary				

C.T. - JSA MEETING - SWABBING

CHECK PSI; 0# SITP; 950# SICP; BLEED OFF CSG(CSG BLEED OFF QUICKLY) - R.U. SWAB EQUIP - START SWABBING @8AM - S.F.L. @+- 8600' -MADE 13 SWAB RUNS - SWABBED BACK 67BBLS OF FLUID W/ A TRACE OF OIL ON EACH RUN - E.F.L. @+-11,000 - LAST RUN MADE AT 4:30PM -R.D. SWAB EQUIP - SWIFN

SDFN

C.T.

10 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

Report # 9				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/6/2010 06:00	5/7/2010 06:00	13,651	82,266	0.0
Time Log Summary				

CREW TRAVEL - JSA MTG: HIGH PRESSURES

SITP 0 PSI, SICP 0 PSI. RU HALLIBURTON. PUMP 130 BBL IN NEW PERFS PER JOB DESIGN. UNSET PKR, PUMP 142 BBL 15% HCL, SET PKR, FLUSH W/ 170 BBL WTR @ 7 BPM @ 3800 PSI. ISIP - 3950 PSI. 5, 10, 15 MIN TEST 0 PSI.

SWAB WELL, MADE 12 RUNS, REC 51 BBL WTR, PH - 7 FM 10600'.

SIWFN. CREW TRAVEL - 24

Report # 10				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/7/2010 06:00	5/8/2010 06:00	4,127	86,393	0.0
T: 1 0			· · · · · · · · · · · · · · · · · · ·	

CREW TRAVEL-JSA MTG ON BLEEDING OFF WELL.

SICP 100# SITP 0 - BLEED OFF CSG. R/U SWAB EQUIP & SWAB TBG. SFL @ 11672 MADE 5 RUNS & 2 BBLS. EFL@ 11822. L/D SWAB EQUIP.

PUMP 65 BBLS DOWN TBG. RELEASE PKR. TOOH W/ 324 JTS 2 7/8 TBG, PKR, 77 JTS 2 7/8 TBG, PSN, & COLLAR. 1/2 HR RIG TIME DISCOUNT FOR RIG REPAIR ON TBG TONGS.

SIWFN . CREW TRAVEL - 24

Report # 11				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/10/2010 06:00	5/11/2010 06:00	6,295	92,688	0.0
Tarabas O management				

CREW TRAVEL-JSA MTG ON SHUTING IN WELL

SICP 300 PSI, BLEED OFF WELL. TIH W/ 7" RBP, RET HEAD, PSN, & 327 JTS 2 7/8" TBG TO 10100. SET RBP @ 10100. FILL W/ RIG PUMP 350 BBLS. PRESSURE TEST RBP @ 1000 PSI FOR 30 MIN. TRICKLE 200# OF SAND DOWN TBG, FLUSH W/ 52 BBLS WATER TOOH W/ 327 JTS 2 7/8" TBG, PSN & RET HEAD.

SIWFN CREW TRAVEL - 24

Report # 12				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/11/2010 06:00	5/12/2010 06:00	22,572	115,260	0.0
Time Log Summany				

CREW TRAVEL - JSA MTG ON PERFORATING

0 PSI ON CSG. R/U PERFORATOR & PERF 1 ST RUN F/ 9782 TO 10060. 2 ND RUN F/ 9458 TO 9733. 3 RD RUN F/ 9246 TO 9434. 4 RTH RUN F/ 9024 TO 9118.

5 TH RUN F/8885 TO 9002. NET FEET OF NEW PERFS 135. NUMBER OF TOTAL NEW INTERVALS 12. NUMBER OF NEW HOLES 540. R/D PERFORATOR.

TIH W/ 7" PKR & 286 JTS OF 2 7/8" TBG TO 8840'

SET PKR W/ 24K COMPRESSION. PRESSURE TEST PKR @ 1000 PSI FOR 15 MIN.

SIWFN - CREW TRAVEL - 24

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**WEST UNRESTRICTED** 

Well Chronology					
District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL	Projec UIN	ct Group TA	State/Province UT
Surface Legal Location 12-0-S 2-W-6	API/UWI 4301331238	Latitude (DMS) 40° 19' 8.89" N	Longitude (DMS) 110° 32' 44.95" E	Ground Elev KB - GL (ft) 5,210.60 27.30	Orig KB Elev (ft) TH Elev (ft) 5,237.90 0.00
Report # 13 Report Start Date 5/12/2010 06:00	Report End Date 5/13/2010 06:00	Daily Cost 3,	672	m Cost To Date 118,932	Depth End (ftKB) 0.0

Time Log Summary CREW TRAVEL JSA MEETING ON SWABBING

0 PSI ON CSG. 1500 PSI ON TBG. BLEED OFF WELL. SWAB TBG. SFL @ SURFACE. MADE 14 RUNS & 84 BBLS. 90% OIL CUT. EFL @ 6823'. R/D LUB. SIWFN 1/2 HR CREW TRAVEL - 24

Report # 14 **Daily Cost** Report Start Date Report End Date Cum Cost To Date Depth End (ftKB) 5/13/2010 06:00 5/14/2010 06:00 16,583 135,514 0.0 Time Log Summary

CREW TRAVEL - JSA MEETING W/ HALLIBURTON

R/U HALLIBURTON & PUMP 5000 GAL OF 15% HCI. 9811 GAL WATER. PUMP W/ AVERAGE PRESSURE 4750 PSI. HOLD 1000 PSI ON CSG W/ RIG PUMP ISIP 2653 PSI. 5 MIN 2265 PSI. 10 MIN 2130 PSI. 15 MIN 2059 PSI. R/D HALL. SHUT WELL IN FOR 1 HR. 1750 PSI ON TBG. BLEED OFF. FLOW BACK 10 BBLS OF WATER. SWAB TBG. SFL @ SURFACE, MADE 13 RUNS & 127 BBLS. EFL @ 4200.

SIWFN. CREW TRAVEL - 24

Report # 15				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/14/2010 06:00	5/15/2010 06:00	3,598	139,112	0.0
Time Log Summary				***

C.T. - JSA MEETING - SWABBING

CHECK PSI - 1250# SITP; 0#SICP - OPEN TBG ON A 32/64 CHOKE TO FRAC MASTER - FLOWED FOR 1 1/2 HRS - FLOWED BACK +-20BBLS OF FLUID -HAD A 100% OIL CUT ON FLUID - R.U. SWAB EQUIP - S.F.L @+-1200' - MADE 12 SWAB RUNS - SWABBED BACK +-71BBLS OF FLUID - E.F.L. @+-6700' - 100% OIL CUT ON LAST RUN - R.D. SWAB EQUIP - SWIFN

SDFN

C.T.

9 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

Report # 16

Report Start Date Report End Date **Daily Cost** Cum Cost To Date Depth End (ftKB) 5/18/2010 06:00 5/17/2010 06:00 5,052 144,164 0.0

Time Log Summary

C.T. - JSA MEETING - TOOH W/TBG

CHECK PSI - 1600# SITP; 0# SICP - OPEN UP TBG TO FRAC MASTER - FLOWED FOR 2 HRS - RELEASE PACKER - TBG FLOWED FOR ANOTHER 1/2 HR - FLOWED A TOTAL OF +-80BBLS OF OIL - POOH W/286 JTS OF 2 7/8" TBG - L.D. 7" PACKER & PSN - RIH W/80JTS OF 2 7/8" TBG - EOT @+-2448' SWIFN

SDFN

C.T.

10 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

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WEST UNRESTRICTED

0.0

**Well Chronology** 

District County Field Name Project Group State/Province ROCKY MOUNTAIN DUCHESNE BLUEBELL LINTA HT Surface Legal Location Longitude (DMS) Orig KB Elev (ft) TH Elev (ft) API/UWI atitude (DMS) Ground Elev ... KB - GL (ft) 12-0-S 2-W-6 4301331238 40° 19' 8.89" N 110° 32' 44.95" E 5,210.60 27.30 5,237.90 0.00 Report #17 Report Start Date Report End Date **Daily Cost** Cum Cost To Date Depth End (ftKB)

5,825

149,989

Time Log Summary

C.T. -JSA MEETING - SLIP HAZARDS

5/18/2010 06:00

CHECK PSI; 450# SITP; 300# SICP; OPEN TBG & CSG TO FRAC MASTER - FLOWED BACK +-30BBLS - PUMP 20BBLS DOWN TBG - CSG FLOWED ANOTHER 10 BBLS

5/19/2010 06:00

L.D. 79 JTS OF 2 7/8" TBG - P.U. & M.U. 3 1/2" BULL PLUG, RIH W/2 JTS OF 3 1/2" HD-LOCKIT(TOP JT PERFORATED), C/O 3 1/2" HD-LOCKIT X 3 1/2" 8RD, C/O 3 1/2" 8RD X 2 7/8" 8RD, NEW 2 7/8" PSN, 1 JT OF 2 7/8" TBG, 7" GRACO TAC, 91 JTS OF 2 7/8" TBG

7" WALS CIRC SHOE, 229 JTS OF 2 7/8" TBG - HAD TO PUMP 40BBLS OF H20 DOWN TBG W/208JTS IN TO KILL WELL - CSG WAS FLOWING DURING TIH - N.D. BOPS - SET TAC W/18K TENSION - COULDN'T LAND HANGER ON ONE ALIGNMENT PIN - RELEASE TAC - N.U. BOPS - STEAM OFF BOPS AND CLEAN OUT CELLAR - SWIFN

SDEN

C.T.

**11.5 HRS RIG** 1 HR TRAVEL

THANK YOU!! - 24

Report # 18				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/19/2010 06:00	5/20/2010 06:00	-4,834	145,155	0.0

Time Log Summary

C.T. -JSA MEETING - FIRE HAZARDS

CHECK PSI - 400# SITP; 450# SICP - OPEN WELL TO FRAC MASTER - FLOWED BACK +-15BBLS OF FLUID - REMOVE ALIGNMENT PIN FROM WELLHEAD - WAIT FOR DIFFERENT ALIGNMENT PIN - N.D. BOPS - SET TAC W/20K TENSION - LAND ON A SPLIT HANGER - N.U. BOPS - X-OVER TO 1.9"TBG EQUIP - P.U. & M.U. 1.9" STINGER, RIH W/62 JTS OF 1.9" TBG - CSG STARTED TO FLOW - PUMP 70BBLS H20 DOWN 1.9" TBG - CONT. RIH W/150JTS OF 1.9" TBG, & 2',3',4',4',8 6'X1.9" 10RD PUP JTS TO SPACE WITH - LAND ON A SPLIT HANGER W/10K COMPRESSION -N.D. BOPS - POUR 15# OF SCALE PELLETS DOWN 27/8

TBG - N.U. WELLHEAD - X-OVER TO ROD EQUIP - SWIFN

SDFN

C.T.

12 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

Report # 19				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/20/2010 06:00	5/21/2010 06:00	6,530	151,684	0.0
Time Log Summany				

C.T. -JSA MEETING - ROADING RIG

FLUSH 2 7/8" TBG W/70BBLS HOT H2O - STEAM CLEAN EQUIP & PUMPING UNIT W/HOT OILER - P.U. & PRIM 34' RHBC PUMP, M.U. 21' X 1 1/4" DIP TUBE MULL SHOE, RIH W/3' STAB SUB, 171 PLAIN 3/4", 123 PLAIN 7/8", 101 PLAIN 1", & 8'X4'X1" PONIES TO SPACE WITH - P.U. NEW 36' X 1 1/2" POLISH ROD - TBG WAS FULL - PSI TEST TO 1000#, HELD - BLEED OFF & STROKE TEST PUMP W/RIG TO 1000#, HELD, GOOD TEST - PUMP 10BBLS DIESEL DOWN 1.9" TBG - R.D. RIG 5 & EQUIP - SLIDE IN ROTAFLEX PUMPING UNIT

HANG WELL ON UNIT - ROAD RIG & EQUIP 5.8 MILES TO THE LORANGER 2-24A2 - SLIDE UNIT BACK - R.U. RIG 5 & EQUIP -SDFN

C.T.

12 HRS RIG 1 HR TRAVEL

THANK YOU!! - 24

Report # 20				
Report Start Date		Daily Cost	Cum Cost To Date	Depth End (ftKB)
5/27/2010 06:00	5/28/2010 06:00	2,480	154,164	0.0

Time Log Summary

SLIDE ROTO-FLEX BACK - MIRU - PUMP 50BBLS DOWN S.STRING - UNSEAT PUMP - POOH W/101 SLICK 1", 124 SLICK 7/8", & 24 SLICK 3/4" - FLUSH RODS W/30BBLS HOT H2O - FINISH POOH W/146 SLICK 3/4" RODS - L.D. PUMP & DIP TUBE - SWIFIN SDFN

C.T.

4 HRS RIG 1/2 HR TRAVEL THANK YOU!! - 24

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WEST UNRESTRICTED

Well Chronology

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District	County	Field Name	Projec	ct Group	State/Province	
ROCKY MOUNTAIN	DUCHESNE	BLUEBELL	UIN	TA	UT	
Surface Legal Location	API/UWI	Latitude (DMS)	Longitude (DMS)	Ground Elev KB - GL (ft)	Orig KB Elev (ft) TH Elev (ft	)
12-0-S 2-W-6	4301331238	40° 19' 8.89" N	110° 32' 44.95" E	5,210.60 27.30	5,237.90	0.00
Report # 21	-					
Report Start Date	Report End Date	Daily Cost	Cu	m Cost To Date	Depth End (ftKB)	
5/28/2010 06:00	5/29/2010 06:00	4	,352	158,516	0.0	

Time Log Summary

C.T. - SAFETY MEETING - ROADING RIG

POUR 15# SCALE PELLETS & 10 GALS ROD CHEMICAL DOWN 2 7/8" TBG - P.U. & PRIM PUMP, M.U. 21' DIP TUBE MULE SHOE, RIH W/3' STAB SUB, 170 SLICK 3/4", 124 SLICK 7/8", 101 SLICK 1", & 1X8',2X4'X1" PONIES TO SPACE WITH - P.U. 36' POLISH ROD - FILL TBG W/10BBLS H2O - PSI TEST TO 1000# HELD - BLEED OFF & STROKE TEST PUMP W/RIG TO 1000#, HELD - R.D. RIG5 & EQUIP - SLIDE IN ROTA -FLEX & HANG WELL OFF - ROAD RIG 7 MILES TO THE STATE 3-18A2 -

5 HRS RIG 1/2 HR TRAVEL

THANK YOU!! - 6

Report # 22				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
6/2/2010 06:00	6/3/2010 06:00	9,726	168,242	0.0
Time Log Summon				

C.T. - SAFETY MEETING - LOTO

UNSEAT PUMP - FLUSH RODS W/100BBLS OF HOT H2O - POOH W/101 PLAIN 1", 124 PLAIN 7/8", & 170 PLAIN 3/4" - L.D. OLD PUMP(PUMP STUCK IN UP STROKE POSITION) - POUR 10GALS OF ROD CHEMICAL & CHASE W/50BBLS OF H2O - P.U. & PRIM 36.5' RHBC PUMP, M.U. 21'X1 1/4" DIP TUBE W/SCREEN, RIH W/3' STAB SUB, 170 PLAIN 3/4", 124 PLAIN 7/8", 101 PLAIN 1", & 1X6',2X4'X1" PONIES TO SPACE WITH - P.U. NEW 36' POLISH ROD W/NEW DELTA SPOOL - TOOK 20BBLS TO FILL TBG - PSI TEST TO 1000#, HELD - BLEED OFF & STROKE TEST PUMP W/RIG TO 1000#, HELD, GOOD TEST - R.D. RIG 5 & EQUIP - SLIDE IN ROTA-FLEX PUMPING UNIT & HANG OFF WELL - RETURN TO PRODUCTION - ROAD RIG 8 MILES TO THE BOREN 3-15A2 - SLIDE ROTA-FLEX BACK - MIRU SDFN

C.T.

**12.5 HRS RIG** 1.5 HRS TRAVEL

THANK YOU!! - 24

Report # 23				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
8/20/2010 06:00	8/21/2010 06:00	5,532	173,774	0.0
Time Log Cummon				

CREW TRAVEL - SAFETY MEETING - POOH W/ RODS

SLID UNIT - RIG UP - PUMPED 100 BBLS DWN CSG - 50 BBLS DWN SIDE STRING - TESTED PRODUCTION TBG TO 1000 PSI - LD POLISH ROD -UNSEATED PUMP - FLUSHED W/ 100 BBLS TPW DWN TBG - POOH W/ 101 1" RODS - 124 7/8" RODS - 170 3/4" RODS - LD 2 1/2" X 1 3/4" X 36' PUMP - ND WELLHEAD - NU BOP FLOOR - TONGS - POOH W/ 212 JTS 1.9 TBG - LD 1.9 STINGER - ND BOP - UNSET TAC - NU BOP - SHUT IN WELL FOR WEEKEND - PUMPED 60 BBLS DWN CSG.

SHUT DOWN - 630 BBLS PUMPED - 310 - 24

Report # 24				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
8/23/2010 06:00	8/24/2010 06:00	4,312	178,086	0.0
Time Log Summary				

CREW TRAVEL - SAFRTY MEETING - POOH W/ TBG

FLUSHED TBG W/ 125 BBLS TPW - BLEAD OFF CSG - POOH W/ 229 JTS 2 7/8" EUE TBG - 7" CIRC SHOE - 91 JTS 2 7/8" EUE TBG - 7" TAC - 1 JT 2 7/8" EUE TBG - PSN - X-O 2 7/8" EUE X 3 1/2" EUE - X-O 3 1/2" EUE X 3 1/2" HD LOCKIT - 2 JTS 3 1/2" TBG TOP JT SLOTTED - 3 1/2" BULL PLUG - TALLIED OUT OF HOLE - SHUT DOWN FOR NIGHT - NEXT DAY HYDROTEST IN HOLE

**SHUT DOWN - 1230** BBLS PUMPED - 175 - 24

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WEST UNRESTRICTED

Well Chronology

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District	County	Field Name	Pro	oject Group	State/Province
ROCKY MOUNTAIN	DUCHESNE	BLUEBELL	lυ	INTA	UT
Surface Legal Location 12-0-S 2-W-6	API/UWI 4301331238	Latitude (DMS) 40° 19' 8.89" N	Longitude (DMS) 110° 32' 44.95"	Ground Elev KB - GL (ft) E 5,210.60 27.30	, , , , , , , , , , , , , , , , , , , ,
Report # 25					
Report Start Date 8/24/2010 06:00	Report End Date 8/25/2010 06:00	Daily Cost	,507	Cum Cost To Date 188,593	Depth End (ftKB) 0.0

Time Log Summary

CREW TRAVEL - SAFETY MEETING - HYDROTESTING

RU HYDROTEST TOOLS - PU 7" HD PKR - RIH W/ 285 JTS HYDROTESTING TO 9,000 PSI - NO BAD JTS - SET 7" PKR @ 8839' - RU PUMPLINES -FILLED CSG W/ 198 BBLS TPW - TESTED CSG & PKR TO 800 PSI FOR 15 MINUTES TEST GOOD - SHUT IN WELL -

BBLS PUMPED - 198 SHUT DOWN - 230 - 24

Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
8/25/2010 06:00	8/26/2010 06:00	182	188,775	0.0
Fime Log Summary RIG OPS SD UNTIL THUR	SDAY - 24			
RIG OPS SD UNTIL THUR	SDAY - 24			
	SDAY - 24 Report End Date	Daily Cost	Cum Cost To Date	Depth End (RKB)

CREW TRAVEL - SAFETY MEETING - ACIDIZING PERFS

RU HALLIBURTON TO TBG - PUMPED 119 BBL ACID JOB W/ 400 BIO BALLS - ISP @ 2340# 15 MINUTE SHUT IN PSI @ 1792# - FLOWED BACK 40 BBLS TO FLATTANK 1HOUR - WELL DIED CIRCULATED 80 BBLS DWN TBG UP CSG - POOH W/ 285 JTS 2 7/8" TBG - LD 7" PKR - RIH W/ 3 1/2" BULL PLUG -2 JTS 3 1/2" TOP JT PERFORATED - X-O 3 1/2" HD LOCKIT X 3 1/2" EUE - X-O 3 1/2" EUE X 2 7/8" EUE - 2 7/8" PSN - 1 JT 2 7/8" EUE - 7" TAC - 91 JTS 2 7/8" EUE TBG - 5 3/4" CIRC SHOE - 229 JTS 2 7/8" EUE TBG - RD TONGS & FLOOR - TIGHED BACK RIG SINGLE FAST - ND BOP - SET TAC IN 20,000 TENSION - NU BOP & FLOOR - TONGS - CHANGED OVER TONGS - ELEVATORS - SLIPS - BOP TO 1.9 TOOLING - SHUT IN FOR NIGHT - NEXT DAY **RUN IN SIDE STRING & RODS -**

SHUT DOWN - 600 **BBLS PUMPED - 80 - 24** 

Report # 28				100
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
8/27/2010 06:00	8/28/2010 06:00	10,663	218,490	0.0

Time Log Summary

**CREW TRAVEL - SAFETY MEETING - FALL DEVICE** 

RIH W/ 1.9" 10RD STINGER W/ 212 JTS 1.9" TBG - LANDED W/ 9.000 DWN ON SHOE - RD TONGS - FLOOR - BOP - NU WELLHEAD - FLOWLINE -RACKED OUT PUMPLINES - DUMPED PELLETS - FLUSHED W/ 65BBLS TPW - DUMPED CHEMICAL - X-O TO RUN RODS - PU 2 1/2"X 1 3/4"X 34' PUMP - RIH W/ 169SLK 3/4" RODS - 124SLK 7/8" RODS - 102SLK 1" RODS - RESPACED WELL - SEATED PUMP - HOLE WAS FULL - TESTED 1000 PSI - RIG DWN - SLID UNIT - HANG OFF RODS - TURNED OVER TO PORDUCTION - PUMPED 10 BBLS DIESEL DWN SIDE STRING - CLEANED UP OIL ON LOCATION - LOADED UP TRAILERS - ROADED OVER TO THE 4-9A2 MIRU - SHUT DOWN FOR WEEKEND.

1" - 102 SLK - 2550'

7/8" - 124 SLK - 3100'

3/4" - 169 SLK - 4225'

SPACED OUT W/ 8'-6'-4'-2' X 1" SUBS

FILLED W/ 0 HOLE WAS FULL

**CIRC SHOE @ 7102'** 

TAC @ 9904'

PSN @ 9938' - 24

Page 7/7

			FORM 9
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		
	DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER:   FEE
SUND	RY NOTICES AND REPORTS O	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposition bottom-hole depth, reenter plu DRILL form for such proposals.	7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: SHERMAN 2-12B2
2. NAME OF OPERATOR: DEVON ENERGY PROD CO LP			9. API NUMBER: 43013312380000
3. ADDRESS OF OPERATOR: P.O. Box 290 8345 North 512		E NUMBER: 05 552-7883 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0940 FSL 1680 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSE Section: 12	IP, RANGE, MERIDIAN: Township: 02.0S Range: 02.0W Meridian: U		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	✓ ACIDIZE	ALTER CASING	CASING REPAIR
□ NOTICE OF INTENT	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	☐ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
2/23/2011	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	✓ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	VENT OR FLARE	☐ WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	■ WILDCAT WELL DETERMINATION □	OTHER	OTHER:
12 DESCRIPE PROPOSED OF CO			
Amend subsequent dated 4/23/10 recording production from Lower perforations 10,1	PHONE NUMBER	5/10 for Notice of Intent BP @ 10,100'. Return to 85 - 10,060' and Wasate chronology 020711 to Oil	ccepted by the
NAME (PLEASE PRINT) Deanna Bell	435 353-5780	Senior Field Technician	
SIGNATURE N/A		<b>DATE</b> 3/23/2011	

devon

#### BBA SHERMAN 2-12B2 OH - Property #: 063069-001

**WEST UNRESTRICTED** 

Well Chronology

Field Name Project Group State/Province County UINTA **ROCKY MOUNTAIN** I IT DUCHESNE BLUEBELL Surface Legal Location API/UWI Latitude (DMS) Longitude (DMS) Ground Elev ... KB - GL (ft) Orig KB Elev (ft) TH Elev (ft) 40° 19' 8.89" N 110° 32' 44,95" E 12-0-S 2-W-6 4301331238 5,210.60 5,210.60 27.30 5,237.90 Report # 29 Report End Date **Daily Cost** Cum Cost To Date Depth End (ftKB) 2/7/2011 13:00 2/8/2011 06:00 2.890 222.919 0.0

Time Log Summary

SAFETY MTG - RIGGING UP

MI, RD ROTAFLEX P/U, RU RIG, UNSEAT PUMP. FLUSH W/ 100 BBL WTR. POOH W/ RODS AND PUMP. PUMP 50 BBL WTR.

SDFN - 5

| Report # 30 | Report Start Date | Pail Cost | Cum Cost To Date | Depth End (ftKB) | C/8/2011 06:00 | C/9/2011 06:00 | Cum Cost To Date | Depth End (ftKB) | Cum Cost To Date | Cum Cost To Date | Depth End (ftKB) | Cum Cost To Date | Cum Cos

Time Log Summary

-CREW TRAVEL , SAFETY MEETING

-BLEED OFF WELL HAD 20PSI ON TBG AND CSG N.D. WELLHEAD USEAT SIDE STRING AND LAND. NIPPLE UP BOPS PULL OUT OF HOLE WITH 212 JNTS OF 1.9 TBG. 1-2' 3-4' 1-6' pups and stinger.

-Rig down floor N.D. BOPS and change over to 2 7/8

pick up on tbg. and remove hanger put in 10' pup to release anchor- put pup with hanger back in and land, N.U. BOPS rig up floor and tongs

- -Start pulling 2 7/8 tubing- pull 40 ints shut in well open csg to flow line shut down for night
- crew travel

- - 24

 Report # 31

 Report Start Date
 Report End Date
 Daily Cost
 Cum Cost To Date
 Depth End (ftKB)

 2/9/2011 06:00
 2/10/2011 06:00
 9,716
 237,559
 0.0

-Crew travel -- safety meeting on pulling tbg and slippery conditions

-Bleed off well 20psi on tbg and csg. Tie rig to double line, and adjust brakes.

-start out of hole , pull 189 jnts 2 7/8 tbg. 5-3/4 Circulating shoe, 91 jnts 2 7/8 tbg., 7" graco T.A.C. ,

1 jnt 2 7/8 tbg., 2 7/8 psn, 3 1/2 mud anchor.

Pick up 7" retrieving head and 2 7/8 psn, run in hole with 323 jnts 2 7/8 production string, pick up 4 jnts 2 7/8 tbg. tagged up at 10075' layed down two jnts shut well in for night, open to flow line

-rig up pump and lines

-crew travel - 24

Report # 32				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
2/10/2011 06:00	2/11/2011 06:00	6,374	243,933	0.0

Time Log Summary

-Crew travel - safety meeting on washing over plug and slippery conditions

-Bleed off well 20psi on tbg and csg.

-got 1st load of water wait on 2nd load rig up pump suction, and rig up tbg swivel to circulate.

-got 2nd load of water started pumping down csg up tbg. took 297 bbls to catch circulation, circ down 7 feet let clean up, started plugging off with scale and frac balls reversed down tbg. 10 bbls reversed down csg. let clean up. made a connection and cleaned down 1 jnt. let clean up had same problem with plugging up, broke out tbg. swivel, it was plugged with balls and scale, hooked up to tbg. w/o swivel pump down csg up tbg. cleaned up put 10' pup under top jnt washed down did not tag. picked up 1 jnt. washed down 2' latched up to plug released and pulled 10 jnts (plug was at 10021') -shut well in for night open to flow line

crew travel - 24

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Report Printed: 3/11/2011

devon

#### BBA SHERMAN 2-12B2 OH - Property #: 063069-001

#### **WEST UNRESTRICTED**

Well Chronology

District ROCKY MOUNTAIN	County	Field Name BLUEBELL		oject Group NTA		State/Province UT	
Surface Legal Location 12-0-S 2-W-6	API/UWI 4301331238	Latitude (DMS) 40° 19' 8.89" N	Longitude (DMS) 110° 32' 44.95" E	Ground Elev   6 5,210.60	(B - GL (ft) 27.30	Orig KB Elev (ft)   5,237.90	TH Elev (ft) 5,210.60
Report # 33	Report End Date	Daily Cost		Cum Cost To Date		Depth End (f	IKB)
2/11/2011 06:00	2/12/2011 06:00		6.690	250.6	523	Depit Lita (i	0.0

Time Log Summary

-Crew travel - safety meeting on pulling plug and slippery conditions

-Bleed off well 60psi on csg tbg. on slight suck

-pull out of hole with 321 jnts of tbg. and RBP. lay down RBP.

-Pick up 3-1/2" bullplug, 3-jnts 3-1/2 lockit tbg top jnt perforated, x-o 3-1/2 eu x 3-1/2 lockit, 3-1/2 eu x 2-7/8 eu, 2-7/8 PSN, 1 jnt of 2-7/8 tbg, 7" graco TAC, 135 jnts 2-7/8 eu n-80 tbg., 5-3/4 circ. shoe, 229 jnts

2-7/8 eu n-80 tbg. run in hole

-shut well in for night open to flow line

crew travel

used 44 jnts out of the 45 jnts brought to location

1 left on trailer - 24

Report # 34				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
2/14/2011 06:00	2/13/2011 06:00	8,209	258,832	0.0
Time Lee Commerci				

Time Log Summary

-Crew travel - safety meeting on ND BOPS

-Bleed off well 60psi on csg 20 psi on tbg.

ND BOPS set tbg. anchor with 20,000# tension land on hanger, Change rams to 1.90, Elevators and slips, NU BOPS make up stinger on 1.90tbg. run in hole space out and land on hanger with 8000# compression.

ND BOPS, NU wellhead drop pellets and flush with 70 bbls production water. dump chemical down tbg. pick up 2 20' dip tubes, 2.5 x 1.5 x 36' pump start in hole with rods

Shut well in for night

crew travel - 24

Report # 35				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
2/15/2011 06:00	2/14/2011 06:00	10,740	269,572	0.0
Time Los Summany				

-Crew travel - safety meeting on rigging down

-Bleed off well 20 psi on tbg.

-start in hole with rods 184 3 1/4-136 7/8-

-seat pump space out with pony rods pick up polished rod pressure test pump with action took70 bbls to fill, would not test ,pump test pump could not get to pressure up

-pull out of hole with pump call central hydrolics to pick up pump - wait on reply.

-shut down to fix transmission cooler, transmission was overheating

Finish POOH with rods

-shut well in for night - 24

Report # 36				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
2/16/2011 06:00	2/17/2011 06:00	14,728	284,300	0.0
Time I as O				-

Time Log Summar

-Crew travel -- safety meeting on ND wellhead and cold weater

-Bleed off well 20 psi on tbg. 50psi on csg

ND well head and NU BOPS pull out of hole with 1.90 tbg.- ND BOPS and change slips, elevators, pipe rams, and tongs over to 2 7/8", -Tie rig back single and release TAC. - nipple up BOPS

-DRUM CHAIN on rig broke, wait for mechanic (on down time)

-Got rig fixed shut down for night

Crew Travel - 24

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devon

### **BBA SHERMAN 2-12B2**

**WEST UNRESTRICTED** 

OH - Property #: 063069-001

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Field Name State/Province District County Project Group **ROCKY MOUNTAIN** DUCHESNE **UINTA** BLUEBELL UT Surface Legal Location API/UWI Latitude (DMS) Longitude (DMS) Ground Elev ... KB - GL (ft) Orig KB Elev (ft) TH Elev (ft) 4301331238 40° 19' 8.89" N 110° 32' 44.95" E 5,210.60 12-0-S 2-W-6 5,210.60 27.30 5,237.90 Report # 37 Report End Date **Daily Cost** Depth End (ftKB) Cum Cost To Date 289,989 2/17/2011 06:00 2/18/2011 06:00 5,689 0.0

Time Log Summary

Crew travel – safety meeting on slick roads drive safe

-Bleed off well 20 psi on tbg. 50psi on csg

pull out of hole with 2 7/8 production string replace 7"TAC- rig up four star hydrotester-Start in hole hydrotesting, found collar leak in 7th stand replaced with new one.-continue in hole pick up circ shoe run in blew hole in jnt 112-4851'

shut well in for night 84 stands left to hydrotest

Crew Travel - 24

Report #38 Report Start Date Report End Date **Daily Cost** Cum Cost To Date Depth End (ftKB) 4.940 0.0 2/18/2011 06:00 2/19/2011 06:00 294,929 Time Log Summary

Crew travel -- safety meeting on slick roads drive safe

-Bleed off well 50 psi on tbg. 50psi on csg

-Continue hydrotesting in hole with 2 7/8 production string.-ND BOPS set TAC with 20,000# tension,-NU BOPS and make up stinger on 1.90 tbg run in hole with 213 jnts 1.90 2.75# N-80 10rnd tbg., 4x4x4x4x6x6x10' pup jnts land in 10,000# compression. ND BOPS NU wellhead pick up 2.5x1.5x36' pump with 2-20' dip tubes run in hole with 184-3/4",136-7/8",131-1" rods,4'-2'x1" pony rods-pick up polished rod and hang off with blocks

shut well in for night. crew travel - 24

Report # 39					
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)	
2/19/2011 06:00	2/20/2011 06:00	3,890	298,819	0.0	
Time Log Summary					

-Crew travel -- safety meeting on slick roads drive safe

-bleed off well 50 psi on csg20psi on tbg.-pull polished rod and change out 4' pony with 2' pony run in with polished rod and space out clamps-fill and test to 1000psi did not test tried stroke testing did not testdrop ball down side string -side string would not test. pulled out of hole with rods and NU BOPS.

shut well in for weekend crew travel - 24

Report # 40				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
2/20/2011 06:00	2/21/2011 06:00	4,290	303,109	0.0
Time Log Summary				

Crew travel -- safety meeting on slick roads drive safe

-bleed off well 50 psi on csg20psi on tbg.-start laying down side string top ints full of water found ball lodged in jnt 26tbg was on a suck below int 26 . - pull out of hole standing back side string found water on 99 stand again, pulled wet to the stinger was full of scale-pick up new stinger and 4'pup with 1.5od x .5id ball seat for 7/8 frac ball run in with 1.9 out of derrick pick up 33 new jnts 1.9 off trailer space out with . 3'x4' pup rig up landing hanger dropped 18" pipe wrench down hole.

 on Martinez Well Service time - start out of hole with side strina

-crew travel home - 24

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RECEIVED Mar. 23, 2011

devon

### **BBA SHERMAN 2-12B2**

**WEST UNRESTRICTED** 

OH - Property #: 063069-001

Well Chronology

District	County	Field Name	Pr	roject Group	State/Province	
ROCKY MOUNTAIN	DUCHESNE	BLUEBELL		IINTA	UT	
Surface Legal Location 12-0-S 2-W-6	API/UWI 4301331238	Latitude (DMS) 40° 19' 8.89" N	Longitude (DMS) 110° 32' 44.95"	Ground Elev KB - GL (ft) E 5.210.60 27.30	Orig KB Elev (ft) TH Elev ( 5.237.90 5.	ft) 210.60
Report # 41	1001001200		1			
Report Start Date	Report End Date	Daily Cost		Cum Cost To Date	Depth End (ftKB)	
2/22/2011 06:00	2/22/2011 06:00		7,292	310,401	0.0	
Time Log Summary						

-Crew travel -- safety meeting on running side string

-bleed off well 50psi on csg. 20psi on tbg.

finish out of hole with 1.90 tbg. ND BOPS release TAC

pull out of hole to shoe removed pipe wrench, all the pieces were accounted for. swapped out circ shoe run back in hole with 229 jnts 2 7/8" tbg ND BOPS set tbg anchor with 20,000# tension- NU BOPS,- tie rig back double fast shut well in for night.

-All on Martinez Well Service no rig charge to DEVON.

-crew travel home - 24

Report # 42				
Report Start Date	Report End Date	Daily Cost	Cum Cost To Date	Depth End (ftKB)
2/22/2011 06:00	2/23/2011 06:00	-5,493	304,908	0.0

Time Log Summary

-Crew travel -- safety meeting on pressure testing

-bleed off well 50psi on csg. 20psi on tbg.

-run in hole with side string and land-flush side string with 10bbls drop 7/8 frac ball pump 25 bbls and pressure test to 2500psi, good test.-pick up 1.5" x 36' central hydrolics pump with 2-20' dip tubes run in hole with 186 3/4"-136 7/8"- 131 1" rods and 2-2' ponys pick up pump and seat pump - pump down tog circ ball back up side string- pressure test to 1000psi-

stroke test to 1000psi-rig down workover rig move out of way. shut down for night.

-crew travel home

7:00am to 10:00am on Martinez Well service 10:00am on devon time - 24

Report Printed: 3/11/2011

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Sundry Number: 44990 API Well Number: 43013312380000

	STATE OF UTAH		FORM 9				
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING  5.LEASE DESIGNATION AND SERIAL NUM FEE							
SUNDR	SUNDRY NOTICES AND REPORTS ON WELLS  6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
	y deepen existing wells below zontal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:					
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: SHERMAN 2-12B2					
2. NAME OF OPERATOR: DEVON ENERGY PROD CO L	.P		9. API NUMBER: 43013312380000				
3. ADDRESS OF OPERATOR: 333 W Sheridan Ave , Okla	homa City, OK, 73102 5015	PHONE NUMBER: 405 228-4248 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0940 FSL 1680 FEL			COUNTY: DUCHESNE				
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 12 Township: 02.0S Range: 02.0W Me	eridian: U	STATE: UTAH				
11. CHECI	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	✓ ACIDIZE	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION				
9/11/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
 	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
DRILLING REPORT	L TUBING REPAIR	VENT OR FLARE	☐ WATER DISPOSAL ☐				
Report Date:	WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION				
	WILDCAT WELL DETERMINATION	OTHER	OTHER:				
Devon Energy Prod well, beginning or	COMPLETED OPERATIONS. Clearly show duction Company, L.P. (Devolution Company, L.P. (Devolution Company), and the daily post job reports	on) acidized the subject 9/11/2013. Please find	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 18, 2013				
NAME (PLEASE PRINT)	PHONE NUM	IBER TITLE					
Julie Patrick	405 228-8684	Regulatory Analyst					
SIGNATURE N/A		<b>DATE</b> 11/14/2013					

Sundry Number: 44990 API Well Number: 43013312380000

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devo	n

#### BBA SHERMAN 2-12B2 OH - Property #: 063069-001

#### WEST UNRESTRICTED

devon		OH - Property	#: 063069-001				
Well Chronology							
District ROCKY MOUNTAIN	County DUCHESNE	Field Name BLUEBELL		oject Group NTA		State/Province	
Surface Legal Location 12-0-S 2-W-6	API/UWI   4301331238	Latitude (°) 40° 19' 8.89" N	Longitude (°) 110° 32' 44.95" E	Ground Elev KE	3 - GL (ft) 7.30	Orig KB Elev (ft) 5,237.90	Tubing Head Elevation (ft 5.210.60
Job Category WORKOVER-WBS	Pri	mary Job Type NHANCE PRODUCTION	1	Secondary J ACID STI	ob Type	1 ′	10,2.000
Job Start Date		MANCE PRODUCTION	Job End Date	<u> </u>			
Contractor, Rig Name	8/28/2013 06:00	Rig Number	Rig	9/11 Type	/2013 12	::30	
PEAK WELL SERVICE	LI Di	1500		O/COMP/PU-ONS	HORE	DI O D	- 10 (I)
	Job Phase		Actu	ual Dur (days)		PI Cum L	Days ML (days)
Report # 1			,				
Report Start Date	8/28/2013 06:00		Report End Date	8/29	/2013 06	:00	
RIG UP HOT OILER, FLUS FLOOR AND TONGS, TOO WELL IN FOR NIGHT, NEX SHUT DOWN 5:30		.C. RIG DOWN, ROAD R G, TOOH W/ RODS KEE WN STINGER, RD FLOO	PING CLEAN, BLEE	ED OFF CSG, ND	WELL H	EAD, NU BOPS	S FOR S.S,. RU
5:30 - 6:30 CREW	TRAVEL						
Report # 2 Report Start Date			Report End Date				
	8/29/2013 06:00		ription	8/30	/2013 06	:00	
UNSET TAC, TOOH W/ TE		DROTEST UNIT, BREAK	,			•	
Report # 3							
Report Start Date	8/30/2013 06:00		Report End Date	8/31	/2013 06	:00	
UNIT TIH TESTING TBG E SHUT DOWN 5:30 5:30 - 6:30 CREW EOT @ 6134'							OF HIBROILS
Report # 4 Report Start Date			Report End Date				
	9/3/2013 06:00			9/4/	/2013 06:	:00	
DERRIK RIG DOWN HYDI STAND BACK TBG IN DEI SHUT DOWN 6:30		ON BOTTOM. BLEED WI UP JTS FROM TRAILER	AND RUN DOWN	TO TAG FILL AT	12440' L <i>A</i>	AY DOWN WO	
6:30 - 7:30 CREW	TRAVEL						
Report # 5 Report Start Date			Report End Date				
<u> </u>	9/4/2013 06:00	D		9/5/	/2013 06:	:00	
OUT OF DERRIK SET PKI RUBBERS AND CHANGE DESIGNED DIDNT SEE A		BLEED WELL DOWN O SION FILL CSG W/ 228 10 MINUTES RIG UP AC PSI WENT ON VACUME	BBLS OF TPW TES CID CREW TEST H IN 10 MINUTES S	ST TO 1000 PSI F ARD LINE TO 850	OUND RA	AMS LEAKING REFORM ACID	GOT NEW RAM JOB AS
Report # 6							
Report Start Date	9/5/2013 06:00		Report End Date	9/6/	/2013 06:	:00	

Page 1/2 Report Printed: 11/11/2013

Sundry Number: 44990 API Well Number: 43013312380000



#### BBA SHERMAN 2-12B2 OH - Property #: 063069-001

#### **WEST UNRESTRICTED**

Well Chronology

District	County		Fi	ield Name		Project	t Group		State/Province	
ROCKY MOUNTAIN	DUCHE	SNE	В	BLUEBELL		UINT	ГА		UT	
Surface Legal Location		API/UWI	Latitu	ude (°)	Longitude (°)		Ground Elev	KB - GL (ft)	Orig KB Elev (ft)	Tubing Head Elevation (ft)
12-0-S 2-W-6		4301331238	40°	° 19' 8.89" N	110° 32' 44.95	" E	5,210.60	27.30	5,237.90	5,210.60

Description

CREW TRAVEL SAFETY MEETING ON SWABBING. SITP - 850 SICP - 300 BLEED WELL DOWN TO FLOW BACK TANK RIG UP SWAB TRY TO GET DOWN W/ SWAB W/ NO SUCCESS TO MUCH PRESSURE KEPT TRYING FINALLY GOT DOWN AND TAGGED FLUID AT 7700' PULLED FROM 8700' DIDNT RECOVER ANY FLUID MADE SECOND RUN WITH SAME SUCCESS SHUT DOWN AND WAIT FOR ORDERS SHUT WELL IN FOR NIGHT NEXT DAY GET ORDERS.

SHUT DOWN 3:00 3:00 - 4: 00 CREW TRAVEL

Report # 7				
Report Start Date	Report End Date			
9/6/2013 06:00	9/7/2013 06:00			
Description				

CREW TRAVEL- SAFETY MEETING ON UNSETTING PKR. SITP - 950- SICP - 0 HOOK UP AND BLEED WELL DOWN TO FLOW BACK TANK AND LET TBG BLOW WHILE WAITING ON ORDERS, GOT ORDERS TO UNSET PKR AND HOOK UP TO TREATER, CSG WENT ON VACUME, GOT ALL HOOKED UP TO TREATER, LEFT WELL OPEN FOR WEEKEND TO TREATER,- NEXT MONDAY TOOH W/ TBG AND RUN PRODUCTION.

Report # 8				
Report Start Date	Report End Date			
9/9/2013 06:00	9/10/2013 06:00			
Description				

CREW TRAVEL- SAFETY MEETING ON TRAPPED PRESSURES. BLEED OFF TREATER PRESSURE TO FLOW BACK TANK. OPEN WELL UP. TOOH W/TBG, LAY DOWN PKR., STAND BY FOR HYDROTEST UNIT, RIG UP TEST UNIT, MAKE UP BHA AND TEST TBG IN HOLE, GOT 73 STANDS TESTED IN, GOT CIRC SHOE IN AND SHUT WELL IN, NEXT DAY FINISH TESTING TBG. IN HOLE.

SHUT DOWN 6:00 6:00 - 7:00 CREW TRAVEL

Report # 9				
Report Start Date	Report End Date			
9/10/2013 06:00	9/11/2013 06:00			
Description .				

CREW TRAVEL- SAFETY MEETING ON USE OF EAR PLUGS. TREATER PRESSURE ON WELL, OPEN WELL UP, FINISH TIH, TESTING TBG IN W/ TEST UNIT, BLEW UP 1 JT, FOUND 6 COLLAR LEAKS, RD TEST UNIT, RD FLOOR AND TONGS, ND BOPS AND SPOOL, LAND 2 7/8 TBG W/ 20K TENSION, NU BOPS FOR S.S., RU FLOOR AND TONGS, MAKE UP STINGER, TIH W/ SIDE STRING AND SPACE OUT TO LAND W/ 7K COMPRESSION, RD FLOOR AND TONGS, ND BOPS, NU WELL HEAD, DUMP SCALE CHEMICAL, LEAVE WELL VENTED TO TREATER FOR NIGHT, NEXT DAY RUN IN W/ NEW PUMP AND ROD STRING.

SHUT DOWN 5:30 5:30 - 6:30 CREW TRAVEL

Report # 10				
Report Start Date	Report End Date			
9/11/2013 06:00	9/12/2013 06:00			
Description				

CREW TRAVEL- SAFETY MEETING ON RUNNING RODS. WELL ON VACUME FROM FLUSH, DUMP CORROSION CHEMICAL, PICK UP AND PRIME NEW PUMP, TIH W/ ROD STRING, SPACE OUT RODS W/ 2'-2'-6' X 1" ROD SUBS, FILL TBG W/ 55 BBLS, STROKE TEST TO 1000 PSI W/ RIG, PUMP 10 BBLS OF DIESEL DOWN SIDE STRING, RIG DOWN SLIDE UNIT FORWARD, HANG RODS OFF, MAKE SURE WELL IS PUMPING, TURN WELL OVER TO PRODUCTION.

LEFT LOCATION AT 12:30

Page 2/2 Report Printed: 11/11/2013

## Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET (for state use only)

<b>ROUTING</b>
CDW

X - Change of Operator (Well Sold)			Operator Name Change/Merger					
The operator of the well(s) listed below has changed, effective:			8/29/2014					
	FROM: (Old Operator): DEVON ENERGY PRODUCTION COMPANY L.P. N1275 333 WEST SHERIDAN AVENUE			TO: ( New Operator): LINN OPERATING INC N4115 1999 BROADWAY STE 3700				
OKLAHOMA CITY OK 73102-5015			DENVER CO		3700			
				303-999-4275				
CA No.				Unit:	N/A			
	SEC	TWN	N RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List			<u> </u>		L		<u></u>	
OPERATOR CHANGES DOCUMENT. Enter date after each listed item is completed								
1. (R649-8-10) Sundry or legal documentation wa				-		9/16/2014	•	
2. (R649-8-10) Sundry or legal documentation wa				=		9/16/2014		10/0/0014
<ul><li>3. The new company was checked on the <b>Departs</b></li><li>4a. Is the new operator registered in the State of U</li></ul>		oi Coi	mmerce	Business Numb	-	9031632-0143		10/8/2014
5a. (R649-9-2)Waste Management Plan has been re		ed on:		Yes		<del>7031032-0143</del>	•	
<ul><li>5b. Inspections of LA PA state/fee well sites compl</li><li>5c. Reports current for Production/Disposition &amp; S</li></ul>				N/A 10/8/2014	- -			
6. Federal and Indian Lease Wells: The BL					merger, na	me change,		
or operator change for all wells listed on Federa	al or	Indian	leases o	on:	BLM	NOT YET	BIA	NOT YET
7. Federal and Indian Units:	_							
The BLM or BIA has approved the successor		-				<u>N/A</u>	-	
8. Federal and Indian Communization Ag			•	•				
The BLM or BIA has approved the operator of					6 T	N/A		
9. Underground Injection Control ("UIC"				_			-	
Inject, for the enhanced/secondary recovery un DATA ENTRY:	ıı/pro	ојест то	or the w	ater disposai wei	ii(s) iistea o	n:	9/24/2014	
1. Changes entered in the Oil and Gas Database				10/8/2014	_			
<ol> <li>Changes have been entered on the Monthly Or</li> <li>Bond information entered in RBDMS on:</li> </ol>	erat	or Cha	ange Sp			10/8/2014	•	
<ul><li>3. Bond information entered in RBDMS on:</li><li>4. Fee/State wells attached to bond in RBDMS on</li></ul>				10/8/2014 10/8/2014	•			
5. Injection Projects to new operator in RBDMS of				N/A	•			
6. Receipt of Acceptance of Drilling Procedures for	or Al	PD/Nev	w on:		-	10/8/2014	_	
7. Surface Agreement Sundry from NEW operator on Fee Surface we			lls received on:		9/16/2014	•		
BOND VERIFICATION:								
<ol> <li>Federal well(s) covered by Bond Number:</li> <li>Indian well(s) covered by Bond Number:</li> </ol>				NMB000501	•			
<ul><li>Indian well(s) covered by Bond Number:</li><li>3a. (R649-3-1) The NEW operator of any state/fe</li></ul>	e wel	ll(s) lis	ted cov	NMB000501 ered by Bond Nu	umher	LPM9149893		
3b. The <b>FORMER</b> operator has requested a release					N/A	LI 1017147075		
LEASE INTEREST OWNER NOTIFIC			, nom t	den bond on.	11/11	-		
4. (R649-2-10) The <b>NEW</b> operator of the fee wells			ontacted	l and informed b	y a letter fro	om the Division		
of their responsibility to notify all interest owner					10/8/2014			
COMMENTS:								

## Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115 Effective 8/29/2014

Well Name	Section	Township	Range AP		Entity	Mineral	Well	Well
				Number		Lease	Type	Status
SWD 4-11A2	11	010S	020W	4301320255	99990	Fee	WD	A
VIRGIL MECHAM 1-11A2	11	010S	020W	4301330009	5760	Fee	WD	Α
1-3A2	3	010S	020W	4301330021	99990	Fee	WD	Α
BLUEBELL 2-28A2	28	010S	020W	4301330346	99990	Fee	WD	A
SALERATUS 2-17C5	17	030S	050W	4301330388	99990	Fee	WD	A
CENTRAL BLUEBELL 2-26A2	26	010S	020W	4301330389	99990	Fee	WD	Α
BALLARD 2-15B1	15	020S	010W	4304732351	11476	Fee	WD	Α
GALLOWAY #3-14B2	14	020S	020W	4301351741		Fee	OW	APD
GALLOWAY #3-12B2	12	020S	020W	4301351742		Fee	OW	APD
GALLOWAY 4-14B2	14	020S	020W	4301351818		Fee	ow	APD
MORRIS #3-8B1	8	020S	010W	4301351836		State	OW	APD
FRITZ #3-24A2	24	010S	020W	4301351837		Fee	ow	APD
GALLOWAY #2-14B2	14	020S	020W	4301351739	19044	Fee	OW	DRL
EMERALD 2-32A1	32	010S	010W	4301350059	17980	Fee	OW	OPS
CLYDE MURRAY 1-2A2	2	010S	020W	4301330005	5876	Fee	OW	P
VICTOR C BROWN 1-4A2	4	010S	020W	4301330011	5780	Fee	OW.	P
DOUG BROWN 2-4A2	4	010S	020W	4301330017	5840	Fee	ow	P
L BOREN U 3-15A2	15	010S	020W	4301330017	5755	Fee	OW	P
LAMICQ-URTY U 3-17A2	17	010S	020W	4301330099	5745	Fee	ow	P
L BOREN U 5-22A2	22	010S	020W	4301330099	5900	Fee	ow	P
L BOREN U 4-23A2	23	010S	020W	4301330107	5905	Fee	ow	P
TOMLINSON FED 1-25A2	25	010S	020W	4301330113	5535	Federal	OW	P
WOODWARD 1-21A2	21	010S	020W	4301330120	5665	Fee	OW	P
and the second s	20	0105	020W	4301330130	5400	Fee	GW	P
LAMICQ 1-20A2 L RBRTSN ST 1-1B2		010S 020S			+		OW	P
	1		020W	4301330200	5410	State		P
SMITH ALBERT 1-8C5	8	030S	050W	4301330245	5490	Fee	OW_	
FRESTON ST 1-8B1	8	020S	010W	4301330294	5345	Fee	OW	P
GEORGE MURRAY 1-16B1	16	020S	010W	4301330297	5950	Fee	OW_	P
LAMICQ-URTY U 4-5A2	5	010S	020W	4301330347	5845	Fee	OW	P
H G COLTHARP 1-15B1	15	020S	010W	4301330359	5945	Fee	OW	P
STATE 3-18A1	18	010S	010W	4301330369	5810	Fee	OW	P
LAMICQ 2-6B1	6	020S	010W	4301330809	2301	Fee	OW	P
DILLMAN 2-28A2	28	010S	020W	4301330821	5666	Fee	OW	P
HAMBLIN 2-26-A2	26	010S	020W	4301330903		Fee	OW	P
JOHN 2-3-B2	3	020S	020W	4301330975	5387	Fee	OW	P
LAMICQ-ROBERTSON ST 2-1B2	1	020S	020W	4301330995	5412	Fee	OW	P
UTE TRIBAL 2-7A2	7	010S	020W	4301331009	5836	Indian	ow	P
HATCH 2-3B1	3	020S	010W	4301331147	10615	Fee	OW	P
NORLING 2-9B1	9	020S	010W	4301331151	10616	Fee	OW	P
SHAW 2-27A2	27	010S	020W	4301331184	10753	Fee	OW_	P
LAMICQ-URRITY 4-17A2	17	010S	020W	4301331190	10764	Fee	OW	P
LAMICQ 2-20A2	20	010S	020W	4301331191	10794	Fee	OW_	P
FRESTON 2-8B1	8	020S	010W	4301331203	10851	Fee	OW	P
WISSE 3-35A2	35	010S	020W	4301331215	10925	Fee	ow	P
MECCA 2-8A2	8	010S	020W	4301331231	10981	Fee	OW	P
SWYKES 2-21A2	21	010S	020W	4301331235	10998	Fee	OW	P
SHERMAN 2-12B2	12	020S	020W	4301331238	11009	Fee	ow	P
DUNCAN 4-2A2	2	010S	020W	4301331276	11258	Fee	GW	P
HAMBLIN 3-9A2	9	010S	020W	4301331278	11094	Fee	GW	P
BAR-F 2-5B1	5	020S	010W	4301331286	11113	Fee	ow	P
SMITH 2-9C5	9	030S	050W	4301331321	11245	Fee	ow	P
LORANGER 2-24A2	24	010S	020W	4301331322	11244	Fee	ow	P
UTE 2-6B3	6	020S	030W	4301331325	11446	Indian	ow	P
MCELPRANG 2-30A1	30	010S	010W	4301331326		Fee	ow	P

## Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115 Effective 8/29/2014

Well Name	Section	Township	Range A	P API	Entity	Mineral	Well	Well
		-		Number		Lease	Type	Status
SMITH 2-7C5	7	030S	050W	4301331327	11324	Indian	OW	P
SMITH 2-18C5	18	030S	050W	4301331328	11336	Indian	OW	P
UTE 2-24A3	24	010S	030W	4301331329	11339	Indian	OW	P
UTE 5-19A2	19	010S	020W	4301331330	11277	Indian	OW	P
EDWARDS 3-10B1	10	020S	010W	4301331332	11264	Fee	OW	P
SUNDANCE 4-15A2	15	010S	020W	4301331333	11269	Fee	ow	P
LORANGER 6-22A2	22	0108	020W	4301331334	11335	Fee	OW	P
COX 2-36A2	36	010S	020W	4301331335	11330	Fee	OW	P
SMITH 2-6C5	6	030S	050W	4301331338	11367	Indian	OW	P
FRESTON 2-7B1	7	020S	010W	4301331341	11338	Fee	OW	P
PEARSON 2-11B2	11	020S	020W	4301331356	11359	Fee	OW	P
CHAPMAN 2-4B2	4	020S	020W	4301331378	11485	Fee	OW	P
LAMB 2-16A2	16	010S	020W	4301331390	11487	Fee	OW	P
LABRUM 2-23A2	23	010S	020W	4301331393	11514	Fee	ow	P
POWELL 2-16B1	16	020S	010W	4301331820	12342	Fee	OW	P
BOWMAN 5-5A2	5	010S	020W	4301332202	13043	Fee	OW	P
BOREN 4-9A2	9	010S	020W	4301332203	13079	Fee	OW	P
BLANCHARD 3-10A2	10	010S	020W	4301332223	13149	Fee	OW	P
SQUIRES 3-8A2	8	010S	020W	4301332227	13176	Fee	OW	P
BROWN 3-4A2	4	010S	020W	4301332684	14673	Fee	OW	P
GALLOWAY 3-11B2	11	020S	020W	4301334304	18527	Fee	ow	P
OWL AND THE HAWK 3-9C5	9	030S	050W	4301351214	18649	Fee	OW	P
Bingham #3-4B1	4	020S	010W	4301351464	18825	Fee	ow	P
RED MOUNTAIN 3-5B1	5	020S	010W	4301351632	18954	Fee	OW	P
MECHAM #3-1B2	1	020S	020W	4301351844	19082	State	OW	P
MIKE AND SHELLEY #3-4B2	4	020S	020W	4301351845	19083	Fee	ow	P
RBRTSN UTE ST 1-12B1	12	020S	010W	4304730164	5475	Fee	OW	P
MAY UTE FED 1-13B1	13	020S	010W	4304730176	5435	Fee	OW	P
COOK 1-26B1	26	020S	010W	4304731981	11212	Fee	OW	P
CHRISTIANSEN 2-12B1	12	020S	010W	4304732178	11350	Fee	OW	P
RICH 2-13B1	13	020S	010W	4304732744	12046	Fee	OW	P
THOMAS 4-10B1	10	020S	010W	4304734080	13284	Fee	OW	P
HAMAKER 3-12B1	12	020S	010W	4304752294	18650	Fee	OW	P
BETTS 2-26B1	26	020S	010W	4304752435	18698	Fee	OW	P
STATE 1-10A2 (3-10C)	10	010S	020W		5860	State	GW	S
L BOREN U 6-16A2	16	010S	020W	4301330123	5750	Fee	ow	S
UTE TRIBAL 1-6B3	6	020S	030W	4301330136	5705	Indian	ow	S
MAUREL TAYLOR FEE 1-36A2	36	010S	020W	4301330143	5525	Fee	OW	S
CAMPBELL UTE ST 1-7B1	7	020S	010W	4301330236	5295	Indian	ow	S
D L GALLOWAY 1-14B2	14	020S	020W	4301330564	5965	Fee	OW	S
MARK 2-25A2	25	010S	020W	4301331232	10986	Fee	OW	S
MITCHELL 2-4B1	4	020S	010W	4301331317	11231	Fee	OW	S

### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING 5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Well List 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 8 WELL NAME and NUMBER TYPE OF WELL OTHER See Attached Well List GAS WELL OIL WELL See Attached Well List 2. NAME OF OPERATOR: API NUMBER: LINN OPERATING, INC PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT: 3. ADDRESS OF OPERATOR ZIP 80202 Denver 1999 Broadway, Suite 3700 STATE CO (303) 999-4275 Bluebell/Altamont 4. LOCATION OF WELL COUNTY: Duchsene/Uintah FOOTAGES AT SURFACE: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE DEEPEN REPERFORATE CURRENT FORMATION 1 NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL Approximate date work will start: CASING REPAIR **NEW CONSTRUCTION** TEMPORARILY ABANDON OPERATOR CHANGE CHANGE TO PREVIOUS PLANS TUBING REPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLARE SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK WATER DISPOSAL (Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Date of work completion: COMMINGLE PRODUCING FORMATIONS OTHER: CHANGE OF RECLAMATION OF WELL SITE **OPERATOR** CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Effective 08/29/2014, Change of Operator from Devon Energy Production Company, LP, to Linn Operating, Inc. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their blanket state bond number LPM9149893. Attached is a list of wells that are associated with this Change of Operator. Devon Energy Production Company, LP N1375 333 West Sheridan Avenue Oklahoma City, OK 73102-5015 John D Raines SEP 16 2014 Vice President DIV OF OIL GAS & MINING Russell des Cognets II Asset Manager NAME (PLEASE PRINT) 9/8/14 SIGNATURE (This space for State us

OCT 08 2014

DIV. OIL GAS & MINING

(See Instructions on Reverse Side)

OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
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OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	

Field

**BLUEBELL ALTAMONT** 

BLUEBELL ALTAMONT

**BLUEBELL ALTAMONT** 

State

UT

County

DUCHESNE

DUCHESNE

**DUCHESNE** 

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**DUCHESNE** 

**Devon Energy Production Company, LP** Exisiting Well List for State/Fee/Indian Leases

Lease Type

FEE

STATE

Well Type

OIL

**Producing Status** 

Producing

Producing

**Producing** 

**Producing** 

Producing

Producing

Producing

Producing

Producing

**Producing** 

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Producing

Shut-In

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Shut-In

API#

430133128600

430135146400

430133222300

430133003500

430133119200

430133008600

430133011500

430133220300

430133010700

430133012300

430133220200

430133001700

430133001100

430133268400

430133023600

430133137800

430133000500

430133035900 430133129900

430133133500

430133082100

430133127600

430133133200

430133029400

430133134100

430133120300

430133056400

430133430400

430133090300

430133127800

430133114700

430133097500

430133139300

430133139000

430133020000

Well Name

BAR F 2-5B1

BINGHAM 3-4B1

\*BOREN 1-14A2-

**BOREN 3-11A2** 

**BOREN 3-15A2** 

**BOREN 4-23A2** 

**BOREN 4-9A2** 

**BOREN 5-22A2** 

**BOREN 6-16A2** 

**BROWN 3-4A2** 

CHAPMAN 2-4B2

COLTHARP 1-15B1

DILLMAN 2-28A2

EDWARDS 3-10B1

**FRESTON STATE 1-8B1** 

**DUNCAN 4-2A2** 

FRESTON 2-7B1

FRESTON 2-8B1

GALLOWAY 1-14B2

GALLOWAY 3-11B2

HAMBLIN 2-26A2

HAMBLIN 3-9A2

LABRUM 2-23A2

LAMICQ ROBERTSON 1-1B2

**HATCH 2-3B1** 

**LAMB 2 16A2** 

**JOHN 2-3B2** 

COX 2-36A2

**BOWMAN 5-5A2** 

**BROWN DOUG 2-4A2** 

**BROWN VICTOR C 1-4A2** 

**CAMPBELL UTE ST 1-7B1** 

**CLYDE MURRAY 1-2A2** 

CORNABY 2-14A2 (RECOMP)

**BLANCHARD 3-10A2** 

Legal Location

005-002S-001W

004-002S-001W

010-001S-002W

014-001S-002W

011-001S-002W

015-001S-002W

023-001S-002W

009-001S-002W

022-001S-002W

016-001S-002W

005-001S-002W

004-001S-002W

004-001S-002W

004-001S-002W

007-002S-001W

004-002S-002W

002-001S-002W

015-002S-001W

014-001S-002W

036-001S-002W

028-001S-002W

002-001S-002W

010-002S-001W

008-002S-001W

007-002S-001W

008-002S-001W

014-002S-002W

011-002S-002W

026-001S-002W

009-001S-002W

003-002S-001W

003-002S-002W

023-001S-002W

016-001S-002W

001-002S-002W

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SWYKES 2 21A2	430133123500	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TAYLOR MAUREL FEE 1-36A2	430133014300	036-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TOMLINSON 1 25A2	430133012000	025-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 2-7A2	430133100900	007-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 5-19A2	430133133000	019-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 1-6B3	430133013600	006-002S-003W	Shut-In	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-24A3	430133132900	024-001S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-6B3	430133132500	006-002S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
WISSE 3-35A2	430133121500	035-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
WOODWARD 1-21A2	430133013000	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BALLARD 2-15B1 SWD	430473235100	015-002S-001W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	UINTAH
BETTS 2-26B1	430475243500	26-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
CHRISTENSEN 2-12B1	430473217800	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
COOK 1-26B1	430473198100	026-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
HAMAKER 3-12B1	430475229400	12-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
MAY UTE FED 1-13B1	430473017600	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
RICH 2-13B1	430473274400	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
ROBERTSON UTE STATE 1-12B1	430473016400	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
THOMAS 4-10B1	430473408000	010-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH

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SEP 16 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

	 ~

	DIVISION OF OIL, GAS AND	MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Well List
SUNDR	Y NOTICES AND REPOR	RTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill drill horizontal	I new wells, significantly deepen existing wells below laterals. Use APPLICATION FOR PERMIT TO DE	w current bottom-hole depth, reenter plugged wells, or to RILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
TYPE OF WELL OIL WELL	GAS WELL OTHE	See Attached Well List	8. WELL NAME and NUMBER: See Attached Well List
2. NAME OF OPERATOR:			9. API NUMBER:
LINN OPERATING, INC		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
1999 Broadway, Suite 3700	TY Denver STATE CO		Bluebell/Altamont
LOCATION OF WELL FOOTAGES AT SURFACE:			COUNTY: Duchsene
QTR/QTR, SECTION, TOWNSHIP, RA	NGE, MERIDIAN:	1 1000 100	STATE: UTAH
CHECK APP	PROPRIATE BOXES TO INDIC	CATE NATURE OF NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion:	ACIDIZE  ALTER CASING  CASING REPAIR  CHANGE TO PREVIOUS PLANS  CHANGE TUBING  CHANGE WELL NAME  CHANGE WELL STATUS  COMMINGLE PRODUCING FORMATIC	DEEPEN  FRACTURE TREAT  NEW CONSTRUCTION  OPERATOR CHANGE  PLUG AND ABANDON  PLUG BACK  PRODUCTION (START/RESUME)  ONS  RECLAMATION OF WELL SITE  RECOMPLETE - DIFFERENT FORMATION	REPERFORATE CURRENT FORMATION  SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON  TUBING REPAIR  VENT OR FLARE  WATER DISPOSAL  WATER SHUT-OFF  OTHER: CHANGE OF  OPERATOR
2. DESCRIBE PROPOSED OR C	OMPLETED OPERATIONS. Clearly show	all pertinent details including dates, depths, volu	mes, etc.
The state of the s	and of Operator from Doven	Energy Production Company, LP, to	Linn Operating, Inc. is responsib
Effective 08/29/2014, Chaunder the terms and cond	ditions of the leases for operation	ons conducted on the leased lands	or a portion thereof under their
Effective 08/29/2014, Chaunder the terms and conditional blanket state bond number	ditions of the leases for operation of the LPM9149893 .	ons conducted on the leased lands ) that are associated with this Char	
Effective 08/29/2014, Chaunder the terms and conditional blanket state bond number Attached is a list of Application 333 West Sheridan Aven Oklahoma City, OK 7310.  John D. Raines	ditions of the leases for operations of the leases for operations for Permit to Drill (APD)  n Company, LP ue		
Effective 08/29/2014, Chaunder the terms and conditional blanket state bond number	ditions of the leases for operations of the leases for operations for Permit to Drill (APD) in Company, LP ue 2-5015		

OCT 0 8 2014

(See Instructions on Reverse Side)

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DIV. OF OIL, GAS & MINING

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5 LEASE DESIGNATION AND SERIAL NUMBER:		
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: MISC.		
2. NAME OF OPERATOR:	9. API NUMBER:		
LINN OPERATING, INC.  3. ADDRESS OF OPERATOR: IPHONE NUMBER:	10, FIELD AND POOL, OR WILDCAT:		
1999 Broadway, Ste #3700 GHY Denver STATE CO AR 80202 (303) 999-4016	Bluebell		
4. LOCATION OF WELL FOOTAGES AT SURFACE:	COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 14 1S 2W	STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA		
TYPE OF SUBMISSION TYPE OF ACTION			
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION		
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL		
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON		
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	U TUBING REPAIR		
CHANGE TUBING PLUG AND ABANDON  SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	VENT OR FLARE		
(Submit Original Form Only)	WATER DISPOSAL		
Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)  PRODUCTION (START/RESUME)	WATER SHUT-OFF		
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE  CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	OTHER: Excluded wells from Change of Operator		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volum			
Do not process Change of Operator from Devon Energy Production Company, LP to LINN (wells.			
43-013-31192 BOREN 3-11A2 Oil Well Producing BLUEBELL DUCH 43-013-51846 MIKE AND SHELLEY #4-14A2 Oil Well Approved permit (APD) BLUEI			
43-013-31299 CORNABY 2-14A2 Oil Well Producing BLUEBELL DUCH 43-013-30035 FLY/DIA L BOREN 1-14A2 Oil Well Shut-In BLUEBELL DUCHES	IESNE 1S-2W Sec 14		
The Devon transaction to Linn Energy allowed EP Energy to exercise their preferential right Sections 11 amd 14 of T1S, 2W so EP Energy now owns these wells.	to purchase the leases and wells in		
NAME (PLEASE PRINT) Debbie Chan TITLE Reg. Compliance	e Supervisor		
SIGNATURE			
This space for State use only!			

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